FORM 3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL							1. WELL NAME and NUMBER: Greater Monument Butte N-16-9-17
2. TYPE OF WORK: DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○							3. FIELD OR WILDCAT: MONUMENT BUTTE
4. TYPE OF WELL: Oil Well Coalbed Methane Well: NO							5. UNIT or COMMUNITIZATION AGREEMENT NAME: GMBU (GRRV)
6. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY							7. OPERATOR PHONE: 435 646-4825
8. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052							9. OPERATOR E-MAIL: mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE): ML-3453B		11. MINERAL OWNERSHIP: FEDERAL ○ INDIAN ○ STATE ◉ FEE ○					12. SURFACE OWNERSHIP: FEDERAL ○ INDIAN ○ STATE ◉ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')							14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')							16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS: YES ○ (Submit Commingling Application) NO ◉					19. SLANT: VERTICAL ○ DIRECTIONAL ◉ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1996 FSL 1952 FWL	NESW	16	9.0 S	17.0 E	S
Top of Uppermost Producing Zone	2552 FSL 1328 FWL	NESW	16	9.0 S	17.0 E	S
At Total Depth	2512 FNL 1107 FWL	SWNW	16	9.0 S	17.0 E	S

21. COUNTY	22. DISTANCE TO NEAREST LEASE LINE (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT
DUCHESNE	1107	20
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed): 1235	26. PROPOSED DEPTH: MD: 5933 TVD: 5933
27. ELEVATION - GROUND LEVEL: 5294	28. BOND NUMBER: B001834	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE: 437478

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	TITLE Regulatory Tech	PHONE 435 646-4825
SIGNATURE	DATE 11/18/2010	EMAIL mcrozier@newfield.com

API NUMBER ASSIGNED	APPROVAL
43013504890000	Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	7.875	5.5	0	5933		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	5933	15.5			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	12.25	8.625	0	300		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 ST&C	300	24.0			

'APIWellNo:43013504890000'

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE N-16-9-17
AT SURFACE: NE/SW SECTION 16, T9S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1255'
Green River	1255'
Wasatch	5775'
Proposed TD	5933'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1255' – 5775'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. *PROPOSED CASING PROGRAM*

a. Casing Design: Greater Monument Butte N-16-9-17

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	5,933'	15.5	J-55	LTC	4,810 2.55	4,040 2.14	217,000 2.36

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe =	13.0 ppg
Pore pressure at surface casing shoe =	8.33 ppg
Pore pressure at prod casing shoe =	8.33 ppg
Gas gradient =	0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Greater Monument Butte N-16-9-17

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	3,933'	Prem Lite II w/ 10% gel + 3% KCl	272 886	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

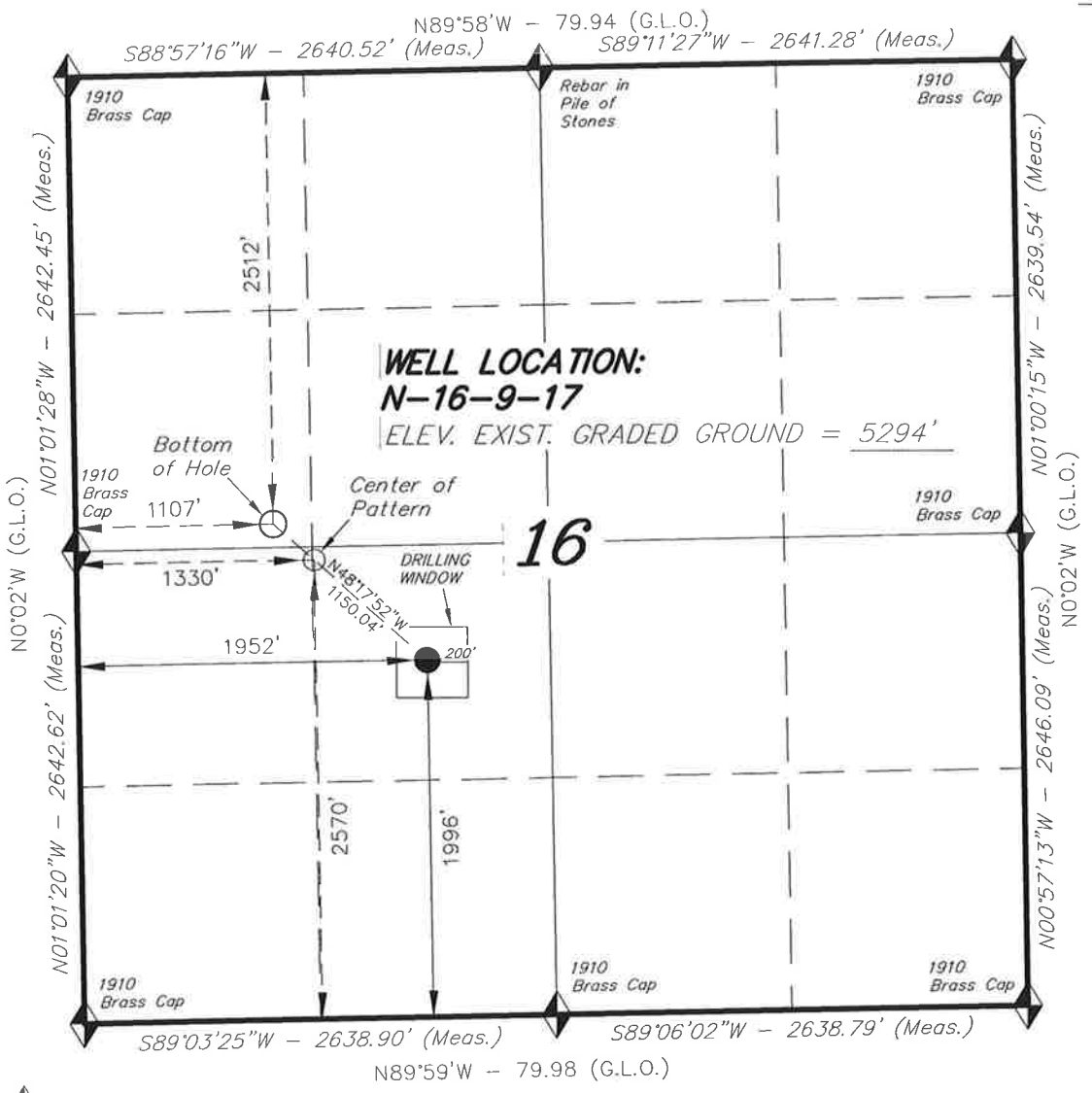
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2011, and take approximately seven (7) days from spud to rig release.

'APIWellNo:43013504890000'

T9S, R17E, U.S.B.&M.



◆ = SECTION CORNERS LOCATED

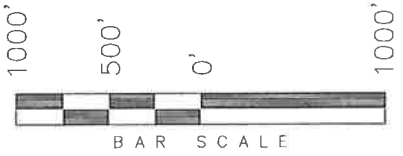
BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

N-16-9-17
(Surface Location) *NAD 83*
LATITUDE = 40° 01' 45.06"
LONGITUDE = 110° 00' 50.59"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, N-16-9-17, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 16, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-16-9-17, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 16, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:
1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

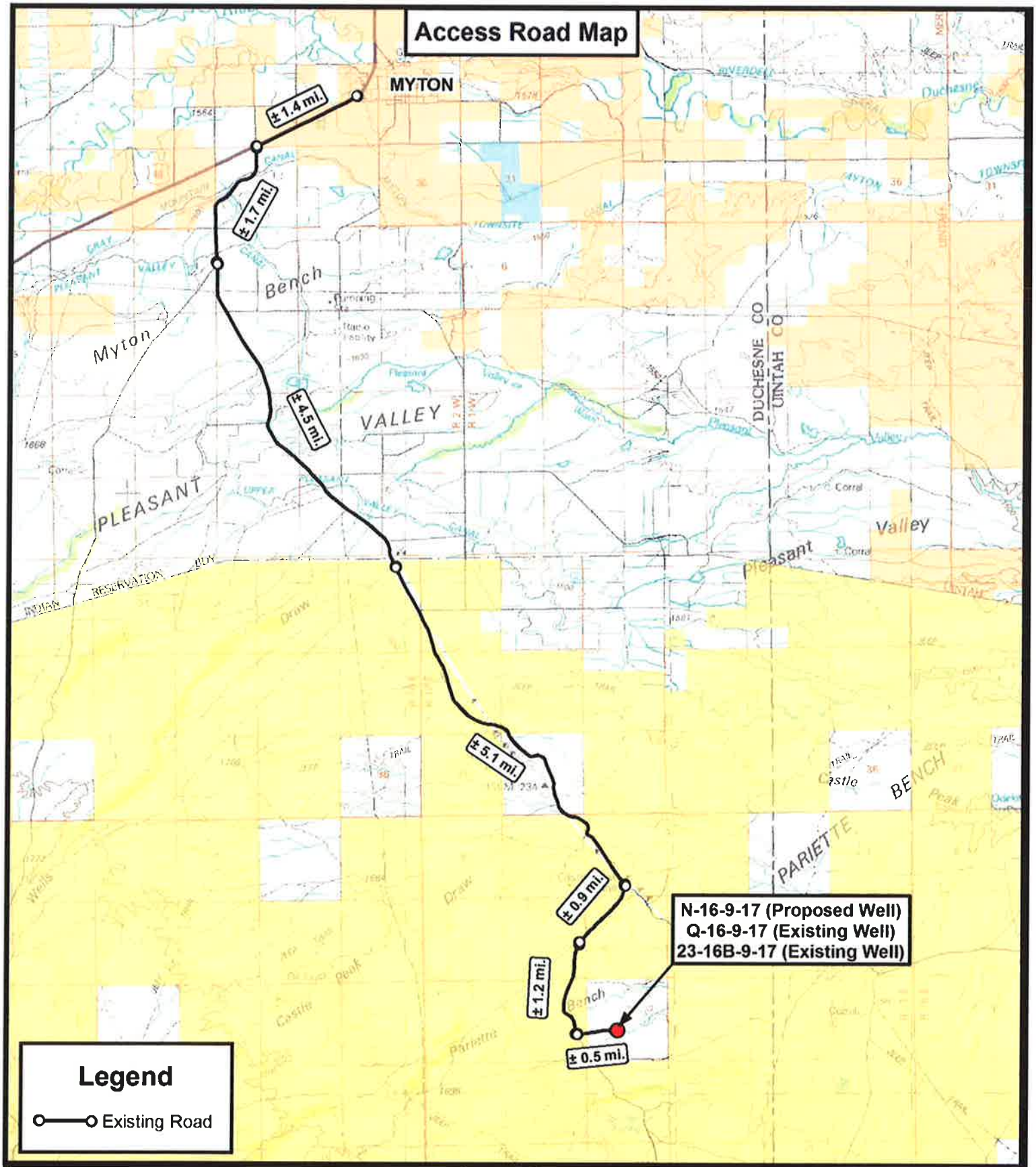
REGISTERED LAND SURVEYOR No. 189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 08-04-10	SURVEYED BY: C.D.S.
DATE DRAWN: 08-04-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

'APIWellNo:43013504890000'



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

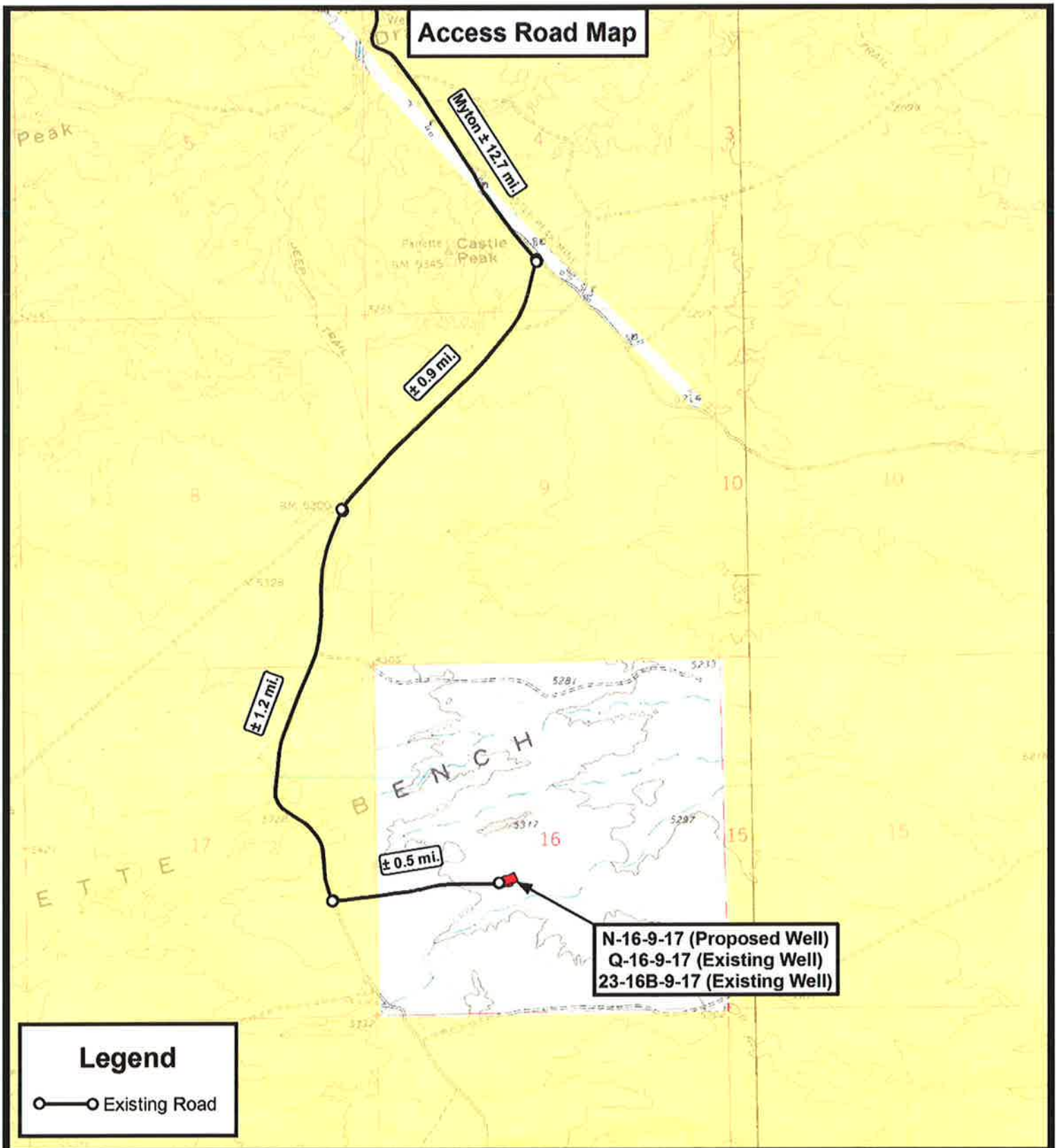
N-16-9-17 (Proposed Well)
Q-16-9-17 (Existing Well)
23-16B-9-17 (Existing Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	09-10-2010
SCALE:	1:100,000

TOPOGRAPHIC MAP

SHEET A

'APIWellNo:43013504890000'



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

N-16-9-17 (Proposed Well)
Q-16-9-17 (Existing Well)
23-16B-9-17 (Existing Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

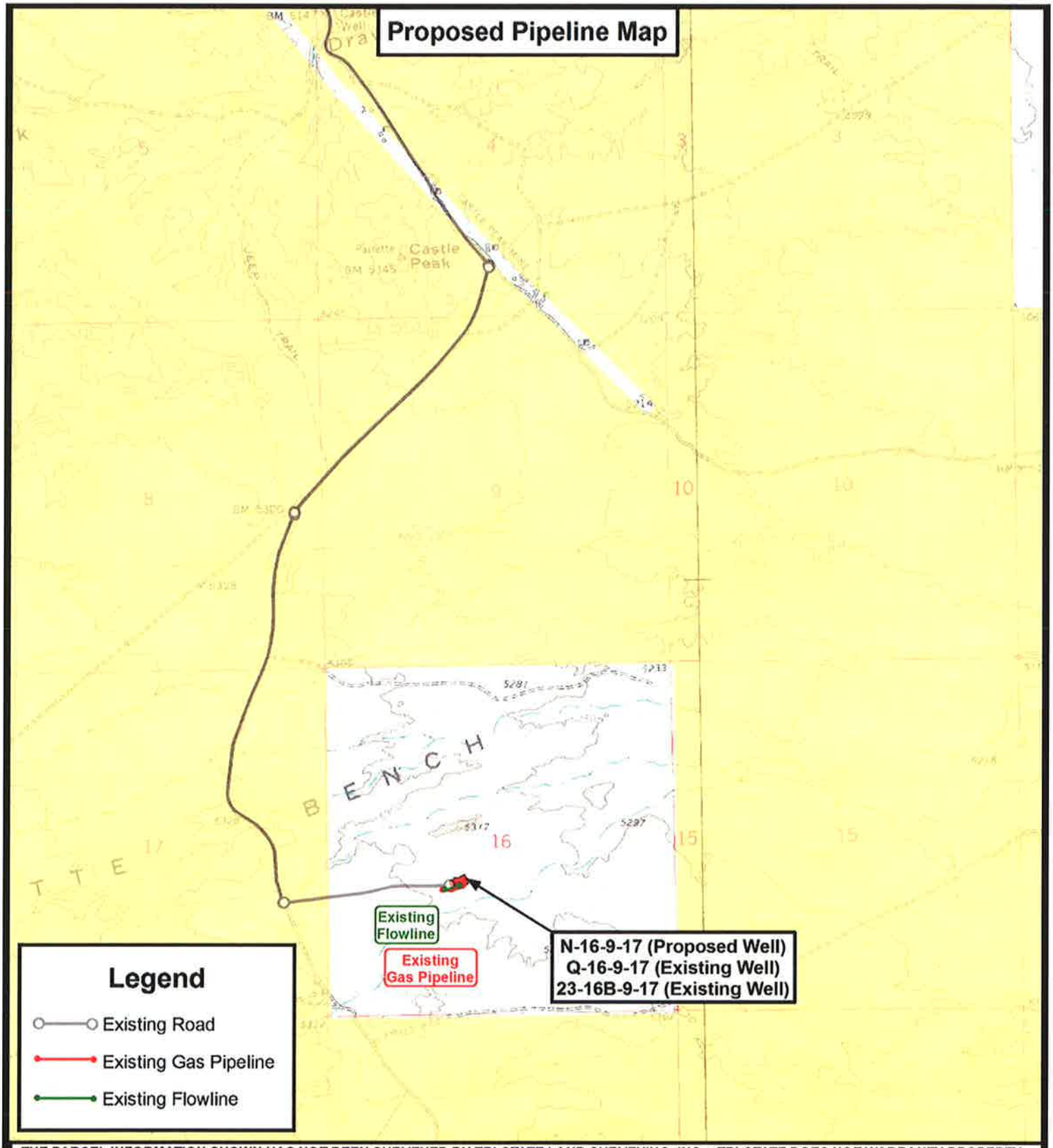
DRAWN BY:	C.H.M.
DATE:	09-10-2010
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

SHEET B

'APIWellNo:43013504890000'

Proposed Pipeline Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

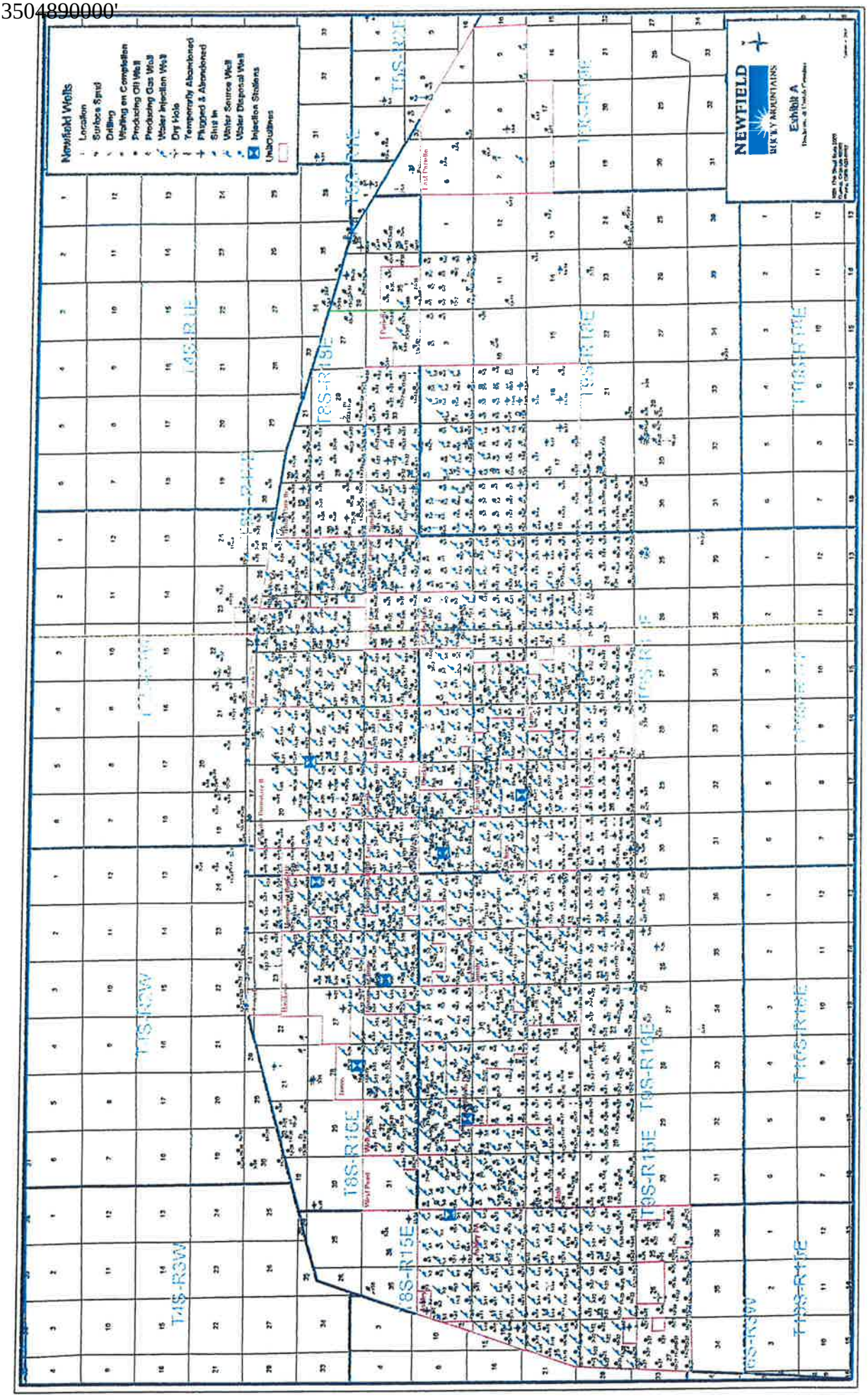
N-16-9-17 (Proposed Well)
Q-16-9-17 (Existing Well)
23-16B-9-17 (Existing Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	09-10-2010
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

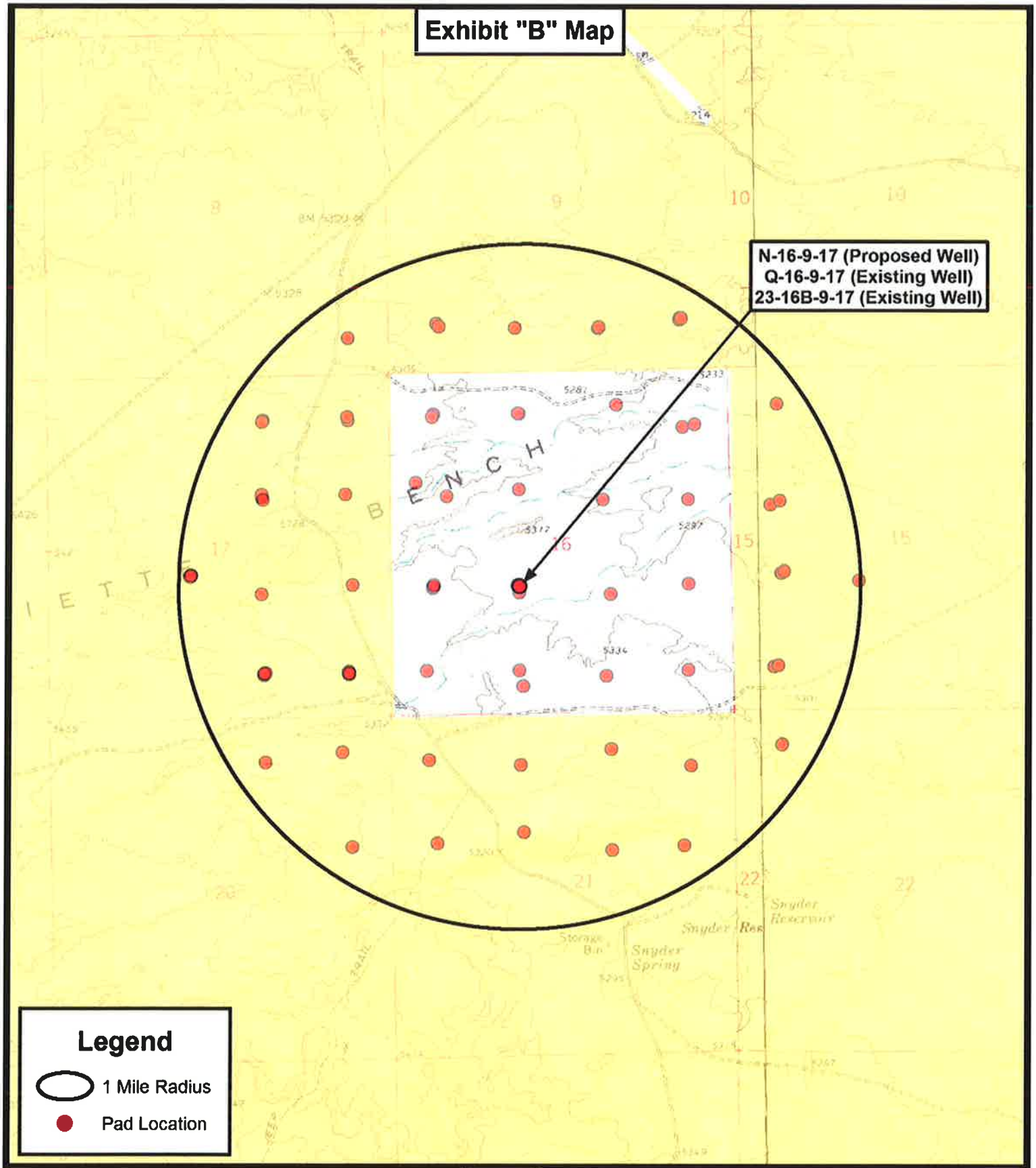
SHEET C

'APIWellNo:43013504890000'



'APIWellNo:43013504890000'

Exhibit "B" Map



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

N-16-9-17 (Proposed Well)
Q-16-9-17 (Existing Well)
23-16B-9-17 (Existing Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.
DATE:	09-10-2010
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

SHEET D

'APIWellNo:43013504890000'

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 16 T9S, R17E
N-16-9-17

Wellbore #1

Plan: Design #1

Standard Planning Report

31 August, 2010

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

'APIWellNo:43013504890000'

NEWFIELD

HATHAWAY BURNHAM
Planning Report

HATHAWAY BURNHAM DIRECTIONAL & MWD SERVICES

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well N-16-9-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Project:	USGS Myton SW (UT)	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**North Reference:**	True
Well:	N-16-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 16 T9S, R17E, SEC 16 T9S, R17E				
Site Position:		**Northing:**	7,183,439.74 ft	**Latitude:**	40° 1' 51.237 N
From:	Lat/Long	**Easting:**	2,056,769.95 ft	**Longitude:**	110° 0' 46.831 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.95 °

Well	N-16-9-17, SHL LAT: 40° 01' 45.06, LONG: -110° 00' 50.59				
Well Position	**+N/-S**	-625.0 ft	**Northing:**	7,182,809.96 ft	**Latitude:**	40° 1' 45.060 N
	+E/-W	-292.4 ft	**Easting:**	2,056,487.98 ft	**Longitude:**	110° 0' 50.590 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,306.0 ft	**Ground Level:**	5,294.0 ft

Wellbore	Wellbore #1			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2010/08/31	11.39	65.81	52,348

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	4,550.0	0.0	0.0	311.70	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,508.5	13.63	311.70	1,500.0	71.5	-80.3	1.50	1.50	0.00	311.70	
4,646.9	13.63	311.70	4,550.0	563.4	-632.4	0.00	0.00	0.00	0.00	N-16-9-17 TGT
5,933.1	13.63	311.70	5,800.0	765.0	-858.7	0.00	0.00	0.00	0.00	

'APIWellNo:43013504890000'

NEWFIELD

HATHAWAY BURNHAM
Planning Report

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well N-16-9-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Project:	USGS Myton SW (UT)	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**North Reference:**	True
Well:	N-16-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	311.70	700.0	0.9	-1.0	1.3	1.50	1.50	0.00
800.0	3.00	311.70	799.9	3.5	-3.9	5.2	1.50	1.50	0.00
900.0	4.50	311.70	899.7	7.8	-8.8	11.8	1.50	1.50	0.00
1,000.0	6.00	311.70	999.3	13.9	-15.6	20.9	1.50	1.50	0.00
1,100.0	7.50	311.70	1,098.6	21.7	-24.4	32.7	1.50	1.50	0.00
1,200.0	9.00	311.70	1,197.5	31.3	-35.1	47.0	1.50	1.50	0.00
1,300.0	10.50	311.70	1,296.1	42.5	-47.8	64.0	1.50	1.50	0.00
1,400.0	12.00	311.70	1,394.2	55.5	-62.3	83.5	1.50	1.50	0.00
1,508.5	13.63	311.70	1,500.0	71.5	-80.3	107.5	1.50	1.50	0.00
1,600.0	13.63	311.70	1,588.9	85.9	-96.4	129.1	0.00	0.00	0.00
1,700.0	13.63	311.70	1,686.1	101.5	-114.0	152.7	0.00	0.00	0.00
1,800.0	13.63	311.70	1,783.3	117.2	-131.6	176.2	0.00	0.00	0.00
1,900.0	13.63	311.70	1,880.4	132.9	-149.2	199.8	0.00	0.00	0.00
2,000.0	13.63	311.70	1,977.6	148.6	-166.8	223.3	0.00	0.00	0.00
2,100.0	13.63	311.70	2,074.8	164.2	-184.3	246.9	0.00	0.00	0.00
2,200.0	13.63	311.70	2,172.0	179.9	-201.9	270.5	0.00	0.00	0.00
2,300.0	13.63	311.70	2,269.2	195.6	-219.5	294.0	0.00	0.00	0.00
2,400.0	13.63	311.70	2,366.4	211.3	-237.1	317.6	0.00	0.00	0.00
2,500.0	13.63	311.70	2,463.5	226.9	-254.7	341.1	0.00	0.00	0.00
2,600.0	13.63	311.70	2,560.7	242.6	-272.3	364.7	0.00	0.00	0.00
2,700.0	13.63	311.70	2,657.9	258.3	-289.9	388.3	0.00	0.00	0.00
2,800.0	13.63	311.70	2,755.1	274.0	-307.5	411.8	0.00	0.00	0.00
2,900.0	13.63	311.70	2,852.3	289.6	-325.1	435.4	0.00	0.00	0.00
3,000.0	13.63	311.70	2,949.5	305.3	-342.7	458.9	0.00	0.00	0.00
3,100.0	13.63	311.70	3,046.7	321.0	-360.3	482.5	0.00	0.00	0.00
3,200.0	13.63	311.70	3,143.8	336.7	-377.9	506.1	0.00	0.00	0.00
3,300.0	13.63	311.70	3,241.0	352.3	-395.4	529.6	0.00	0.00	0.00
3,400.0	13.63	311.70	3,338.2	368.0	-413.0	553.2	0.00	0.00	0.00
3,500.0	13.63	311.70	3,435.4	383.7	-430.6	576.8	0.00	0.00	0.00
3,600.0	13.63	311.70	3,532.6	399.3	-448.2	600.3	0.00	0.00	0.00
3,700.0	13.63	311.70	3,629.8	415.0	-465.8	623.9	0.00	0.00	0.00
3,800.0	13.63	311.70	3,726.9	430.7	-483.4	647.4	0.00	0.00	0.00
3,900.0	13.63	311.70	3,824.1	446.4	-501.0	671.0	0.00	0.00	0.00
4,000.0	13.63	311.70	3,921.3	462.0	-518.6	694.6	0.00	0.00	0.00
4,100.0	13.63	311.70	4,018.5	477.7	-536.2	718.1	0.00	0.00	0.00
4,200.0	13.63	311.70	4,115.7	493.4	-553.8	741.7	0.00	0.00	0.00
4,300.0	13.63	311.70	4,212.9	509.1	-571.4	765.2	0.00	0.00	0.00
4,400.0	13.63	311.70	4,310.1	524.7	-589.0	788.8	0.00	0.00	0.00
4,500.0	13.63	311.70	4,407.2	540.4	-606.5	812.4	0.00	0.00	0.00
4,600.0	13.63	311.70	4,504.4	556.1	-624.1	835.9	0.00	0.00	0.00
4,646.9	13.63	311.70	4,550.0	563.4	-632.4	847.0	0.00	0.00	0.00
N-16-9-17 TGT									
4,700.0	13.63	311.70	4,601.6	571.8	-641.7	859.5	0.00	0.00	0.00
4,800.0	13.63	311.70	4,698.8	587.4	-659.3	883.1	0.00	0.00	0.00
4,900.0	13.63	311.70	4,796.0	603.1	-676.9	906.6	0.00	0.00	0.00
5,000.0	13.63	311.70	4,893.2	618.8	-694.5	930.2	0.00	0.00	0.00
5,100.0	13.63	311.70	4,990.3	634.5	-712.1	953.7	0.00	0.00	0.00

'APIWellNo:43013504890000'

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well N-16-9-17
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Project:	USGS Myton SW (UT)	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**North Reference:**	True
Well:	N-16-9-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,200.0	13.63	311.70	5,087.5	650.1	-729.7	977.3	0.00	0.00	0.00
5,300.0	13.63	311.70	5,184.7	665.8	-747.3	1,000.9	0.00	0.00	0.00
5,400.0	13.63	311.70	5,281.9	681.5	-764.9	1,024.4	0.00	0.00	0.00
5,500.0	13.63	311.70	5,379.1	697.1	-782.5	1,048.0	0.00	0.00	0.00
5,600.0	13.63	311.70	5,476.3	712.8	-800.1	1,071.5	0.00	0.00	0.00
5,700.0	13.63	311.70	5,573.5	728.5	-817.6	1,095.1	0.00	0.00	0.00
5,800.0	13.63	311.70	5,670.6	744.2	-835.2	1,118.7	0.00	0.00	0.00
5,900.0	13.63	311.70	5,767.8	759.8	-852.8	1,142.2	0.00	0.00	0.00
5,933.1	13.63	311.70	5,800.0	765.0	-858.7	1,150.0	0.00	0.00	0.00

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
N-16-9-17 TGT - plan hits target - Circle (radius 75.0)	0.00	0.00	4,550.0	563.4	-632.4	7,183,362.81	2,055,846.32	40° 1' 50.628 N	110° 0' 58.720 W

'APIWellNo:43013504890000'

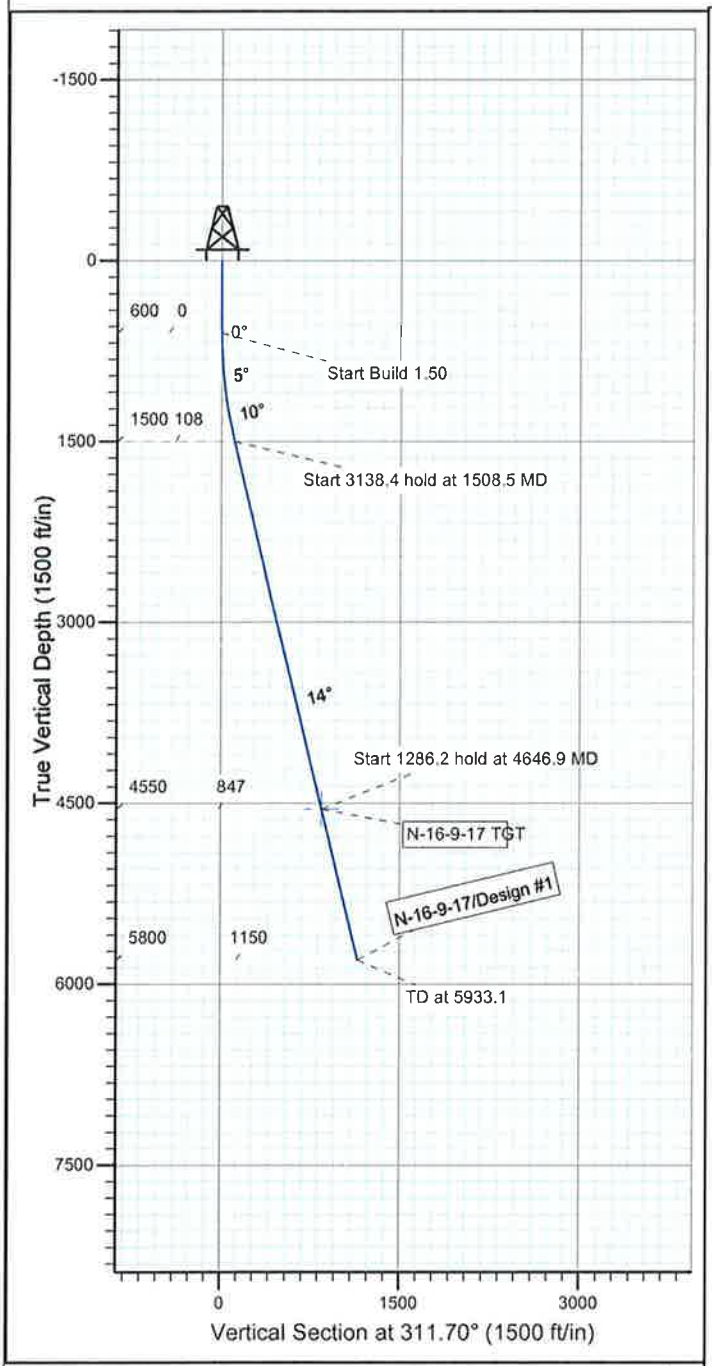
NEWFIELD

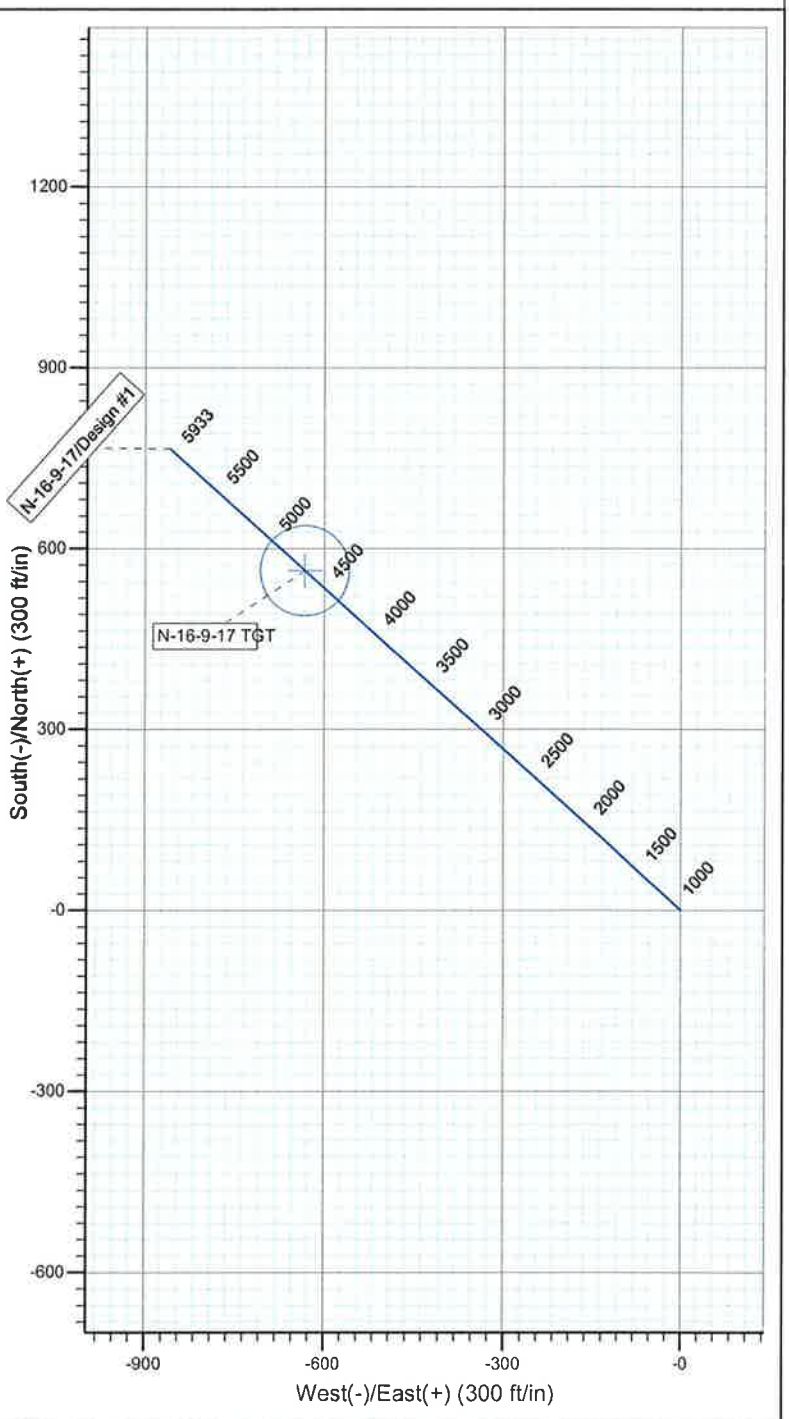
Project: USGS Myton SW (UT)
Site: SECTION 16 T9S, R17E
Well: N-16-9-17
Wellbore: Wellbore #1
Design: Design #1

Azimuths to True North
Magnetic North: 11.39°

Magnetic Field
Strength: 52348.4snT
Dip Angle: 65.81°
Date: 2010/08/31
Model: IGRF2010

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N-16-9-17 TGT	4550.0	563.4	-632.4	Circle (Radius: 75.0)

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1508.5	13.63	311.70	1500.0	71.5	-80.3	1.50	311.70	107.5	
4	4646.9	13.63	311.70	4550.0	563.4	-632.4	0.00	0.00	847.0	N-16-9-17 TGT
5	5933.1	13.63	311.70	5800.0	765.0	-858.7	0.00	0.00	1150.0	

NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE N-16-9-17
AT SURFACE: NE/SW SECTION 16, T9S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. ***EXISTING ROADS***

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Monument Butte N-16-9-17 located in the NE 1/4 SW 1/4 Section 16, T9S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly – 11.3 miles ± to it's junction with an existing road to the southwest; proceed southwesterly – 2.1 miles ± to it's junction with an existing road to the east; proceed easterly – 0.5 miles ± to the beginning of the access road to the existing 23-16-9-17B well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. ***PLANNED ACCESS ROAD***

There is no proposed access road for this location. The proposed well will be drilled directionaly off of the existing 23-16B-9-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. ***LOCATION OF EXISTING WELLS***

Refer to Exhibit "B".

4. ***LOCATION OF EXISTING AND/OR PROPOSED FACILITIES***

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. *LOCATION AND TYPE OF WATER SUPPLY*

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 41-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. *SOURCE OF CONSTRUCTION MATERIALS*

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ***ANCILLARY FACILITIES***

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. ***WELL SITE LAYOUT***

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE**:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. ***SURFACE OWNERSHIP*** – State of Utah.

12. ***OTHER ADDITIONAL INFORMATION :***

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

Water Disposal
After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte N-16-9-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte N-16-9-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

'APIWellNo:43013504890000'

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-16-9-17, Section 16, Township 9S, Range 17E: Lease ML-3453B Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

11/18/10
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

'APIWellNo:43013504890000'

2-M SYSTEM

Blowout Prevention Equipment Systems

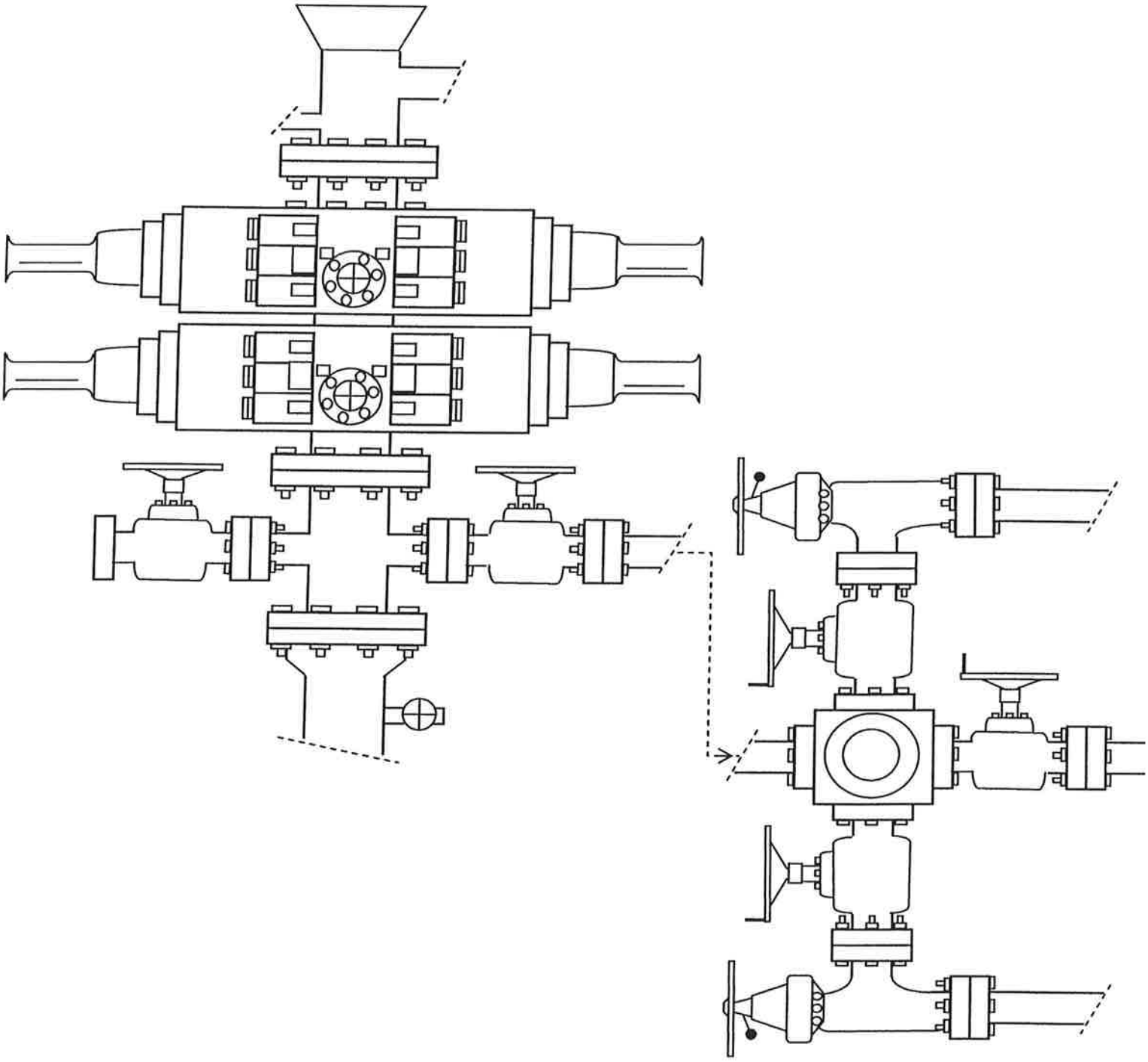


EXHIBIT C

'APIWellNo:43013504890000'

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

November 19, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 Plan of Development Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2010 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ GREEN RIVER)

43-013-50489 GMBU N-16-9-17 Sec 16 T09S R17E 1996 FSL 1952 FWL
BHL Sec 16 T09S R17E 2512 FNL 1107 FWL

This office has no objection to permitting the well at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2010.11.19 10:21:25 -07'00'

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-19-10

'APIWellNo:43013504890000'

NEWFIELD

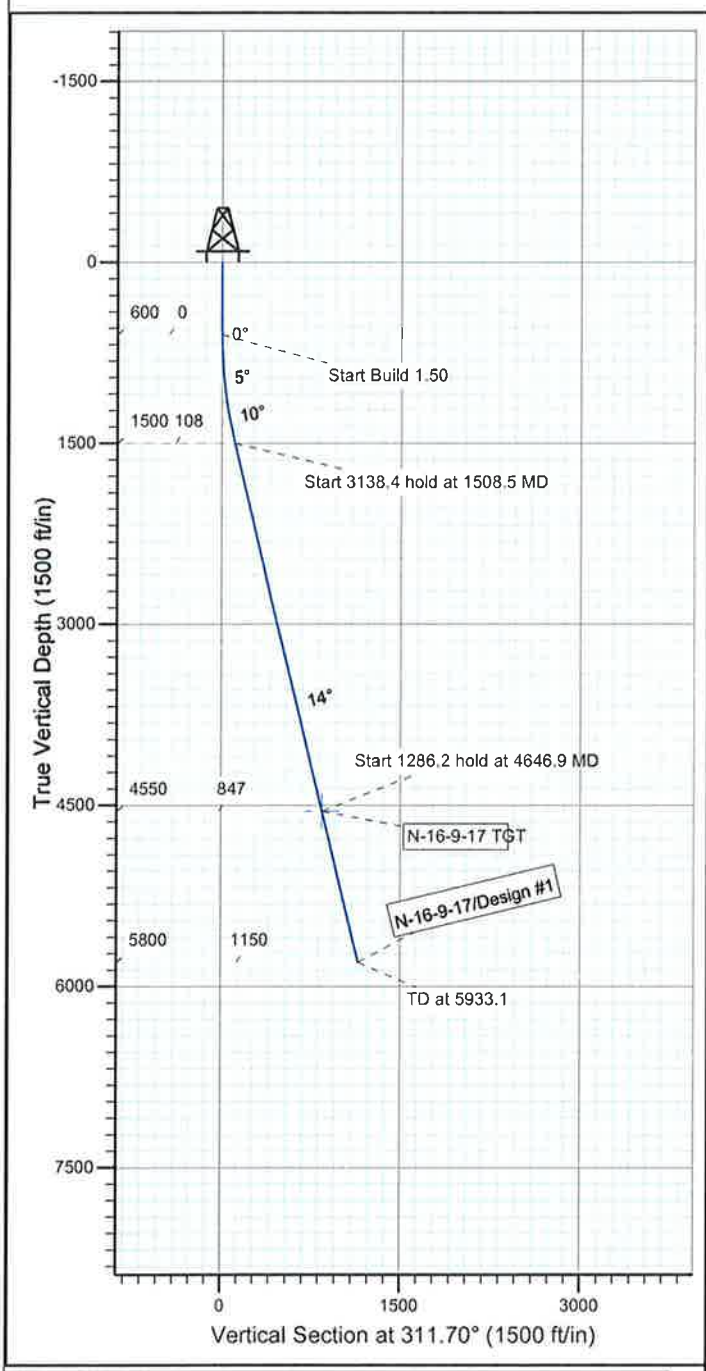
Project: USGS Myton SW (UT)
Site: SECTION 16 T9S, R17E
Well: N-16-9-17
Wellbore: Wellbore #1
Design: Design #1

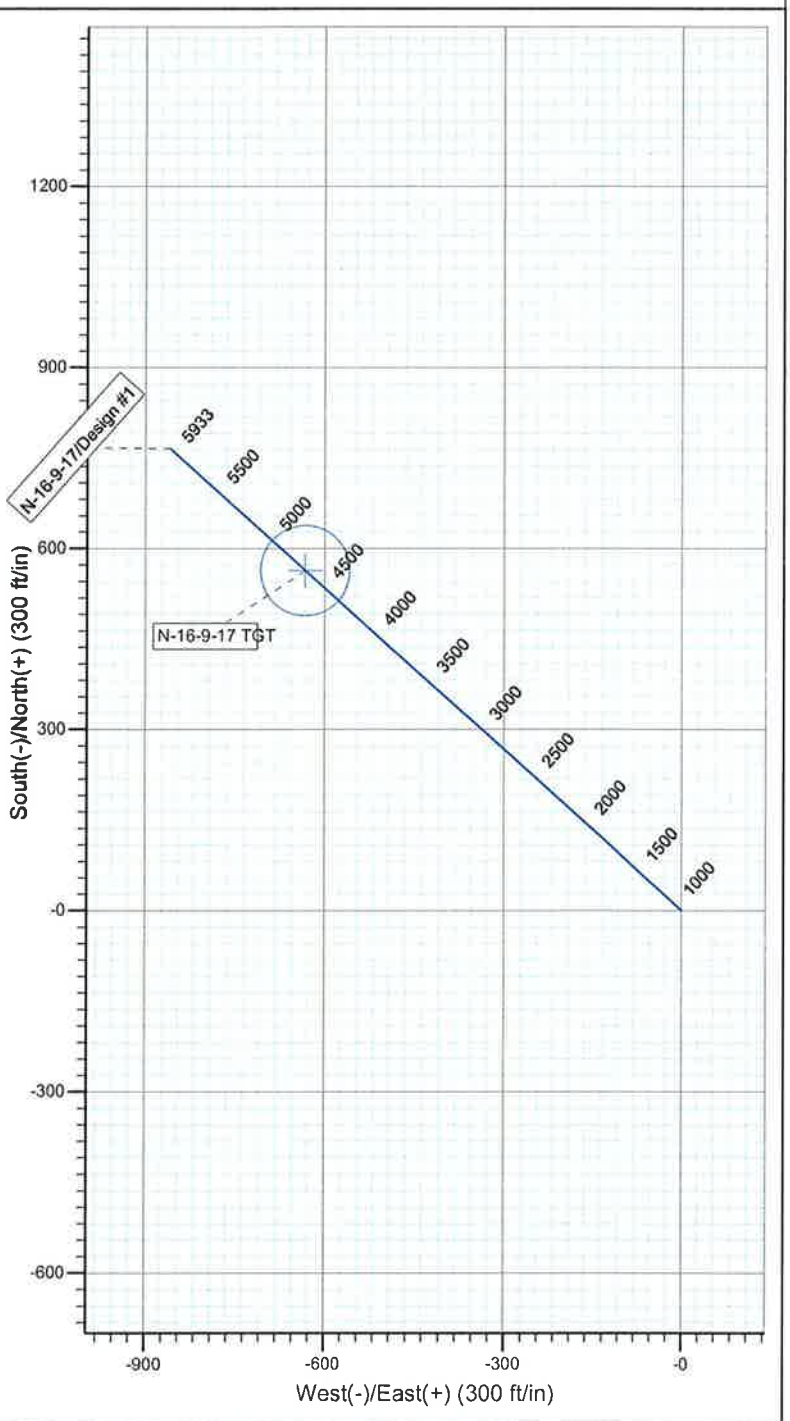
T M

Azimuths to True North
Magnetic North: 11.39°

Magnetic Field
Strength: 52348.4snT
Dip Angle: 65.81°
Date: 2010/08/31
Model: IGRF2010

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'





WELLBORE TARGET DETAILS

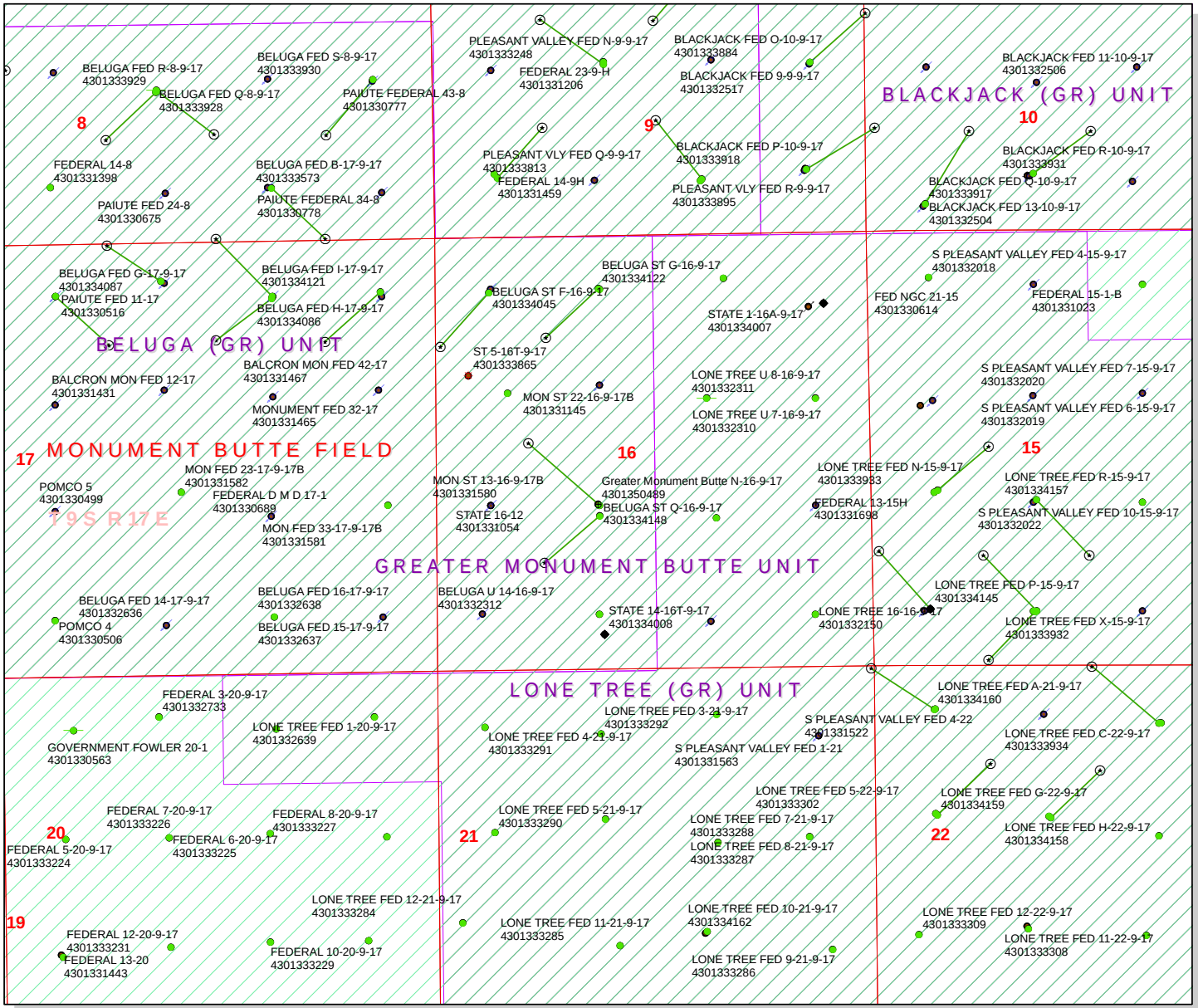
Name	TVD	+N/-S	+E/-W	Shape
N-16-9-17 TGT	4550.0	563.4	-632.4	Circle (Radius: 75.0)

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1508.5	13.63	311.70	1500.0	71.5	-80.3	1.50	311.70	107.5	
4	4646.9	13.63	311.70	4550.0	563.4	-632.4	0.00	0.00	847.0	N-16-9-17 TGT
5	5933.1	13.63	311.70	5800.0	765.0	-858.7	0.00	0.00	1150.0	

'APIWellNo:43013504890000'



API Number: 4301350489

Well Name: Greater Monument Butte N-16-9-17

Township 09.0 S Range 17.0 E Section 16

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

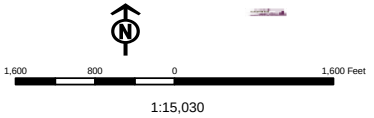
Units

STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
- Sections
- Township
- Bottom Hole Location - AGRC

Wells Query
- <all other values>

Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well



1:15,030

'APIWellNo:43013504890000'

NEWFIELD
ROCKY MOUNTAINS

November 23, 2010

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Greater Monument Butte N-16-9-17
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R17E Section 16: NESW (ML-3453B)
1996' FSL 1952' FWL

At Target: T9S-R17E Section 16: SWNW (ML-3453B)
2512' FNL 1107' FWL

Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 11/18/10, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield Certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-exiting roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

Shane Gillespie
Land Associate

'APIWellNo:43013504890000'

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-3453B	6. SURFACE: State
1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐	7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
B. TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐	8. UNIT or CA AGREEMENT NAME: Greater Monument Butte
2. NAME OF OPERATOR: Newfield Production Company	9. WELL NAME and NUMBER: Greater Mon. Butte N-16-9-17
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NE/SW 1996' FSL 1952' FWL Sec. 16 T9S R17E AT PROPOSED PRODUCING ZONE: SW/NW 2512' FNL 1107' FWL Sec. 16 T9S R17E	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 16 9S 17E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 15.3 miles southeast of Myton, Utah	12. COUNTY: Duchesne / 13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 1107' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 560.00 acres / 17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 1235'	19. PROPOSED DEPTH: 5,933 / 20. BOND DESCRIPTION: #B001834
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5294' GL	22. APPROXIMATE DATE WORK WILL START: 1st Qrtr. 2011 / 23. ESTIMATED DURATION: (15) days from SPUD to rig release

24 **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	5,933	Lead(Prem Lite II)	275 sx +/-	3.26	11.0
					Tail (50/50 Poz)	450 sx +/-	1.24	14.3

25 **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

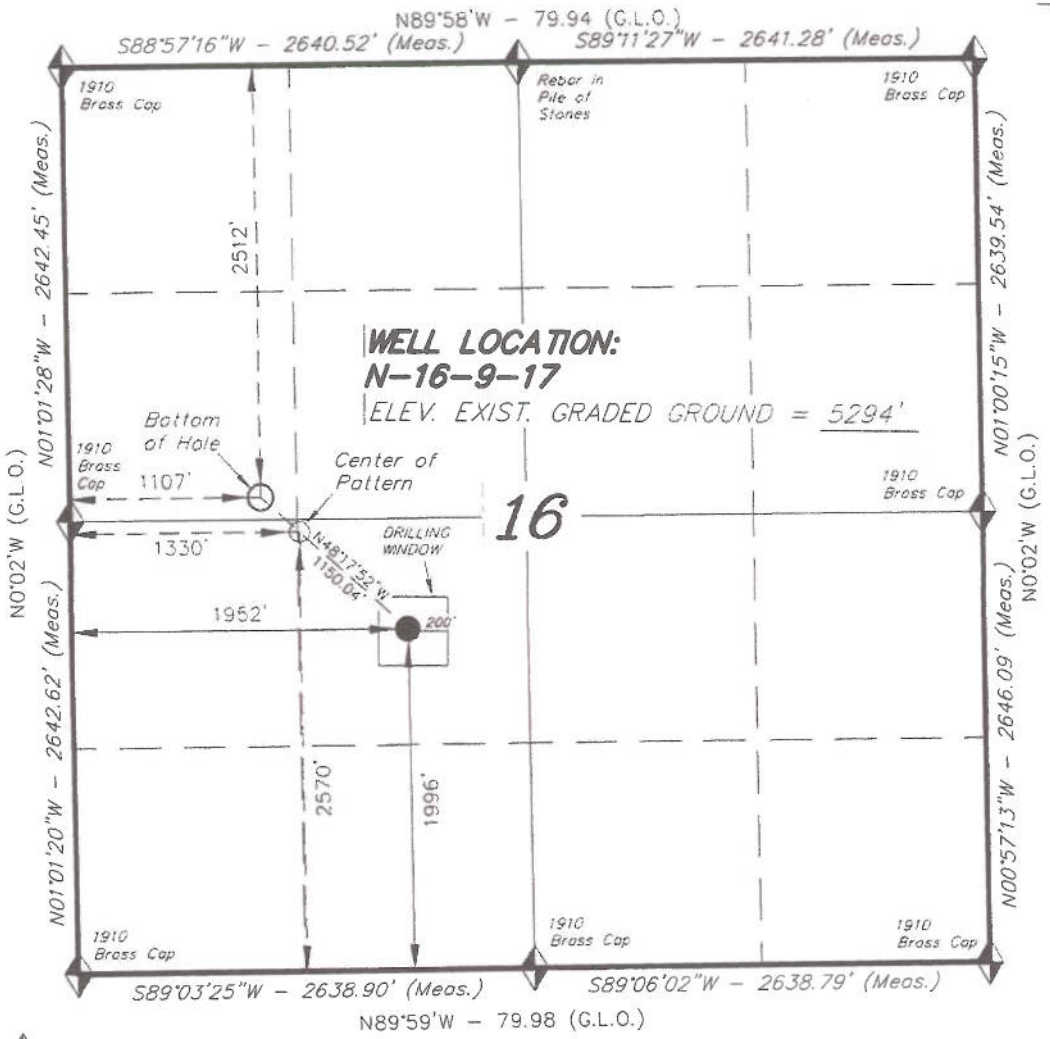
SIGNATURE Mandie Crozier DATE 11/18/10

(This space for State use only)

API NUMBER ASSIGNED: _____ APPROVAL:

(11/2001) (See Instructions on Reverse Side)

T9S, R16E, U.S.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are base on LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, N-16-9-17, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 16, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, N-16-9-17, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 16, T9S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

NOTES:

1. *Well footages are measured at right angles to the Section Lines.*
2. *Bearings are based on Global Positioning Satellite observations.*

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR 189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

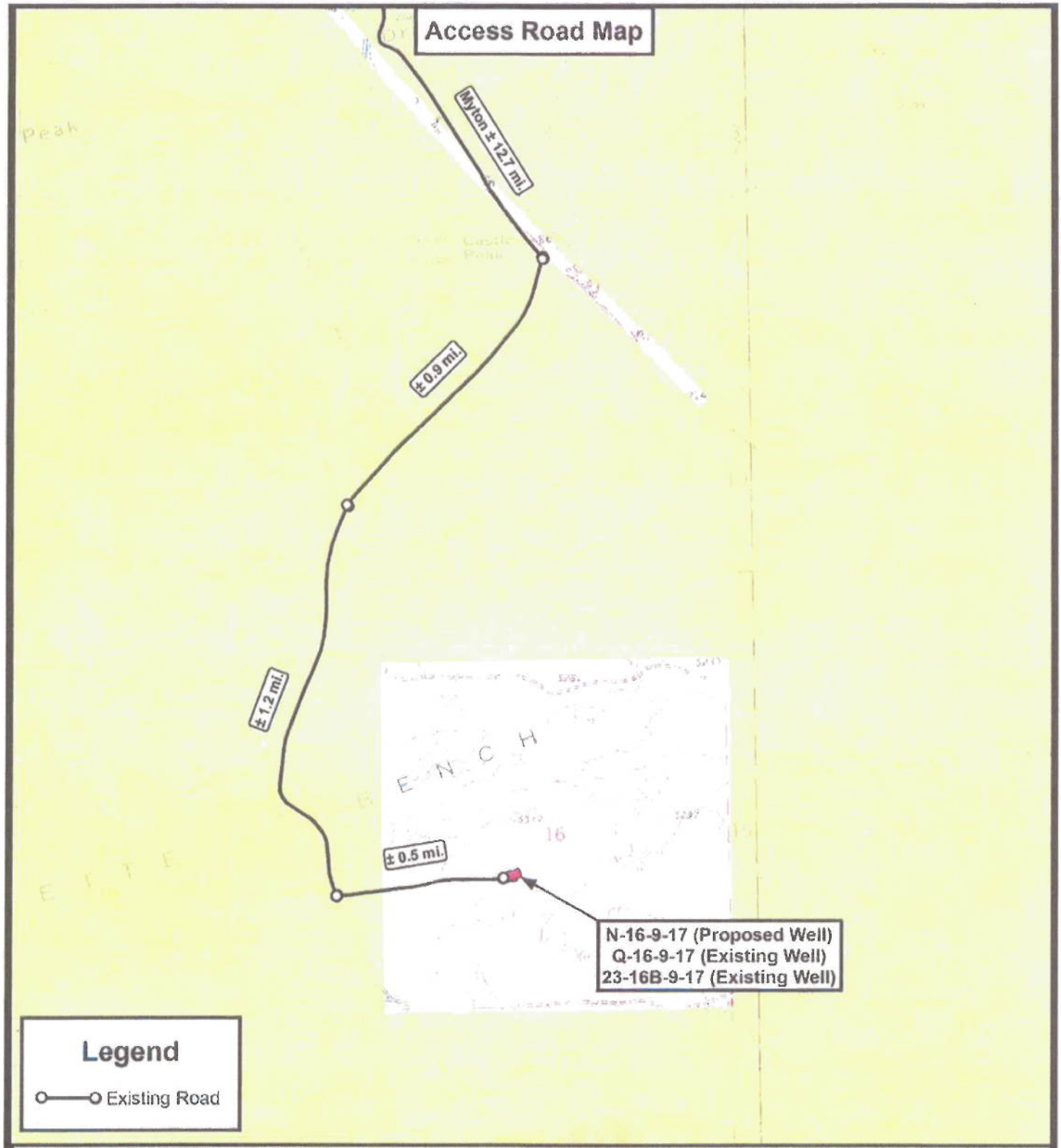
N-16-9-17 (Surface Location)	NAD 83
LATITUDE =	40° 01' 45.06"
LONGITUDE =	110° 00' 50.59"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 08-04-10	SURVEYED BY: C.D.S.
DATE DRAWN: 08-04-10	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

'API Well No: 43013504890000'

'APIWellNo:43013504890000'



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

N-16-9-17 (Proposed Well)
Q-16-9-17 (Existing Well)
23-16B-9-17 (Existing Well)
SEC. 16, T9S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M
DATE:	09-10-2010
SCALE:	1 " = 2,000 '

TOPOGRAPHIC MAP

SHEET B

'APIWellNo:43013504890000'

From: Chris Fausett
To: Hill, Brad; Mason, Diana
CC: Gardner, Kaylene
Date: 12/9/2010 3:45 PM
Subject: EOG Coyote 1-16 SWD APD Approval

SITLA approves the APD for EOG Resources, Inc's Coyote 1-16 SWD Well (API #43-047-50806), subject to the following stipulations. Please include the following in the APD's conditions of approval:

1. Prior to the injection of any produced water into the above referenced well, the operator must obtain authorization from SITLA in the form of a surface special use lease specifically authorizing the operation of a disposal well on the leased premises.
2. The operator shall promptly provide to SITLA, attn: Chris Fausett, copies of all Weekly Progress Reports for drilling and completion activities.
3. Pursuant to the paleontological report submitted by Intermountain Paleo Consulting (IPC #10-174), a permitted paleontologist shall be present to monitor all ground disturbing activities in the development of this project.

An archaeological survey of the project area has been conducted and the area has been cleared for cultural resources. The SITLA contact for this project is Chris Fausett, 801-538-5139, chrisfausett@utah.gov.

Thanks,

Chris Fausett
Resource Specialist
State of Utah
School and Institutional Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, UT 84102-2818
Phone: (801) 538-5139

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Monument Butte N-16-9-17 43013504890000

Well Name	NEWFIELD PRODUCTION COMPANY Greater Monument Butte N-16-9-17			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	5800		
Previous Shoe Setting Depth (TVD)	40	300		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2511	8.3		

Calculations	Surf String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	129		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	YES	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	72	NO	Reasonable for area
Required Casing/BOPE Test Pressure=		300	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		40	psi *Assumes 1psi/ft frac gradient	

Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	2533		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1837	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1257	YES	Ok
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1323	NO	Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient	

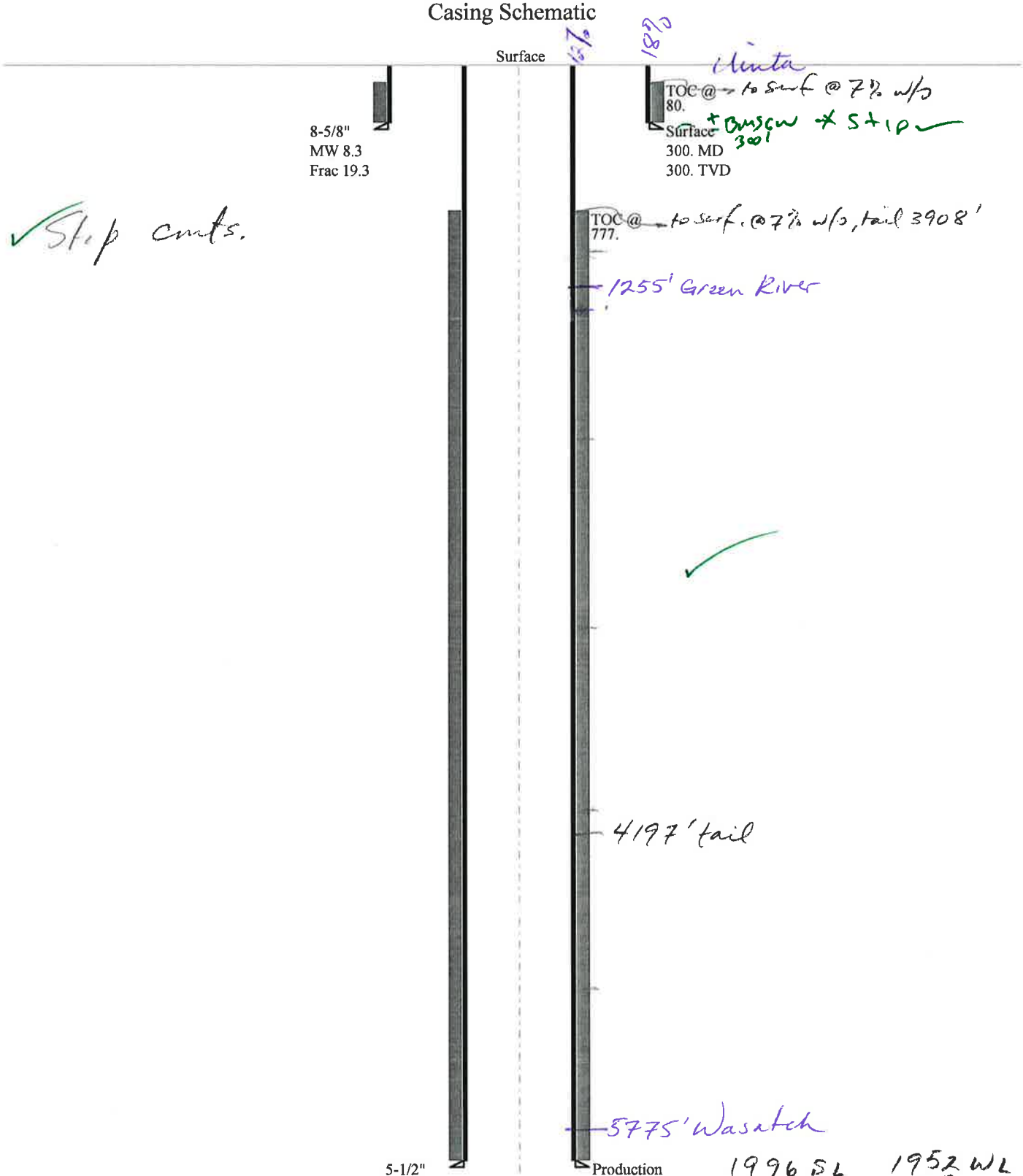
Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient	

'APIWellNo:43013504890000'

43013504890000 Greater Monument Butte N-16-9-17

Casing Schematic



Uinta

TOC @ surf @ 7% w/o

+ Busch + Stip

301

Stip cmts.

TOC @ surf. @ 7% w/o, tail 3908'

1255' Green River

4197' tail

5775' Wasatch

1996 SL
765
2761
5285
2524 FNL ✓

1952 WL
-859
1093 FWL ✓

SW NW Sec 16 - 9S - 17E

'APIWellNo:43013504890000'

Well name:	**43013504890000 Greater Monument Butte N-16-9-17**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-50489
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 264 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 300 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 78 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 80 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 5,800 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,531 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 300 ft
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: December 30,2010
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

'APIWellNo:43013504890000'

Well name:	**43013504890000 Greater Monument Butte N-16-9-17**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-50489
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,234 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,510 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,181 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 155 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 777 ft

Directional Info - Build & Hold
Kick-off point 600 ft
Departure at shoe: 1150 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 13.63 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	5933	5.5	15.50	J-55	LT&C	5800	5933	4.825	20949

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2510	4040	1.610	2510	4810	1.92	89.9	217	2.41 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: December 30,2010
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 5800 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	NEWFIELD PRODUCTION COMPANY								
Well Name	Greater Monument Butte N-16-9-17								
API Number	43013504890000	**APD No**	3160	**Field/Unit**	MONUMENT BUTTE				
Location: 1/4,1/4	NESW	**Sec**	16	**Tw**	9.0S	**Rng**	17.0E	1996 FSL	1952 FWL
GPS Coord (UTM)	584188 4431250	**Surface Owner**							

Participants

Floyd Bartlett (DOGM), Tim Eaton (Newfield), Ed Bonner (SITLA) and Ben Williams (UDWR).

Regional/Local Setting & Topography

The proposed Greater Monument Butte N-16-9-17 oil well is a directional well to be drilled from the existing pad of the old Beluga State Q-16-9-17 and more recent Monument Butte 23-16B-9-17 producing oil wells. The area in designated for 20 acre spacing. The pad will be extended 67 feet to the west with a cut into moderately gentle terrain.

A field review of the existing pad showed no concerns as it now exists and with the extension should be a suitable for drilling and operating the proposed additional well.

SITLA owns the surface.

Surface Use Plan

Current Surface Use
Wildlfe Habitat
Existing Well Pad

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Existing well pad.

Soil Type and Characteristics

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	45	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location on the south side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett	12/2/2010
Evaluator	**Date / Time**

'APIWellNo:43013504890000'

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3160	43013504890000	SITLA	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**		
Well Name	Greater Monument Butte N-16-9-17		**Unit**	GMBU (GRRV)	
Field	MONUMENT BUTTE		**Type of Work**	DRILL	
Location	NESW 16 9S 17E S 1996 FSL 1952 FWL GPS Coord (UTM) 584192E 4431264N				

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill — **APD Evaluator**

12/20/2010 — **Date / Time**

Surface Statement of Basis

The proposed Greater Monument Butte N-16-9-17 oil well is a directional well to be drilled from the existing pad of the old Beluga State Q-16-9-17 and more recent Monument Butte 23-16B-9-17 producing oil wells. The area in designated for 20 acre spacing. The pad will be extended 67 feet to the west with a cut into moderately gentle terrain.

A field review of the existing pad showed no concerns as it now exists and with the extension should be a suitable for drilling and operating the proposed additional well.

SITLA owns the surface. Mr. Ed Bonner of SITLA attended the evaluation and had no concerns. Mr. Ben Williams of the UDWR also attended and had no recommendations for wildlife.

Floyd Bartlett — **Onsite Evaluator**

12/2/2010 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/18/2010 **API NO. ASSIGNED:** 43013504890000

WELL NAME: Greater Monument Butte N-16-9-17

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: NESW 16 090S 170E **Permit Tech Review:** ☑

SURFACE: 1996 FSL 1952 FWL **Engineering Review:** ☑

BOTTOM: 2512 FNL 1107 FWL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.02929 **LONGITUDE:** -110.01329

UTM SURF EASTINGS: 584192.00 **NORTHINGS:** 4431264.00

FIELD NAME: MONUMENT BUTTE

LEASE TYPE: 3 - State

LEASE NUMBER: ML-3453B **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

SURFACE OWNER: 3 - State **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: GMBU (GRRV)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 213-11

Effective Date: 11/30/2009

Siting: Suspends General Siting

- ☑ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
15 - Directional - dmason
27 - Other - bhill

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Greater Monument Butte N-16-9-17
API Well Number: 43013504890000
Lease Number: ML-3453B
Surface Owner: STATE
Approval Date: 1/5/2011

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Cement volumes for the 5 1/2" and 8 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface as stated in drill plan.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:
- Any changes to the approved drilling plan – contact Dustin Doucet

- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By Cheyenne Bateman Phone Number 435-823-2419
Well Name/Number Greater Monument Butte N-16-9-17
Qtr/Qtr NE/SW Section 16 Township 9S Range 17E
Lease Serial Number ML-3453B
API Number 43-013-50489

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 3/9/2011 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 3/9/2011 2:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	17908	17908	4301350423	HANCOCK 8-13-4-2W	SENE	13	4S	2W	DUCHESNE		1/27/2011
WELL 1 COMMENTS: FROM GRRV FORMATION TO GRWS											3/10/2011
A	17928	17928	4304751163	SCHWAB-STOLLMACK 4-19-4-1E	NWNW	19	4S	1E	UINTAH		2/9/2011
FROM GRRV FORMATION TO GRWS											3/10/2011
B	99999	17400	4301350489	GREATER MON BUTTE N-16-9-17	NESW	16	9S	17E	DUCHESNE	3/9/2011	3/10/11
GRRV BHL = SWNW											

ACTION CODES (See instructions on back of form)
A - 1 new entity for new well (single well only)
B - well to existing entity (group or unit well)
C - from one existing entity to another existing entity
D - well from one existing entity to a new entity
E - ther (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
MAR 1 0 2011
DIV. OF OIL, GAS & MINING

Signature: Jentri Park
Production Clerk 03/10/11

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-3453-B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: GMBU
8. WELL NAME and NUMBER: GREATER MONUMENT BUTTE N-16-9-17
9. API NUMBER: 4301350489
10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE:
COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: , 16, T9S, R17E
STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
03/16/2011	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Spud Notice
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 3/11/11 MIRU Ross #29. Spud well @8:00 AM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 299.11'. On 3/15/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 5 barrels cement to pit. WOC.

RECEIVED
MAR 21 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Cheyenne Bateman TITLE

SIGNATURE DATE 03/16/2011

(This space for State use only)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT **309.43**

LAST CASING **14** SET AT **7**
DATUM **10**
DATUM TO CUT OFF CASING **10**
DATUM TO BRADENHEAD FLANGE **10**
TD DRILLER **310** LOGGER
HOLE SIZE **12 1/4"**

OPERATOR **Newfield Exploration Company**
WELL **GMBU N-16-9-17**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **ross rig #29**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		WELL HEAD				A	1.42
7	8 5/8"	Casing (shoe jt 42.80)	24	J-55	STC	A	299.11
1	8 5/8"	guide shoe				A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	301.43	7
LESS NON CSG. ITEMS	2.32	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	299.11	7
TOTAL CSG. DEL. (W/O THRDS)		
TIMING		
BEGIN RUN CSG. Spud	2:00 PM	3/11/2011
CSG. IN HOLE	4:00 PM	3/11/2011
BEGIN CIRC	1:14 PM	3/15/2011
BEGIN PUMP CMT	1:24 PM	3/15/2011
BEGIN DSPL. CMT	1:35 PM	3/15/2011
PLUG DOWN	**1:44 PM**	**3/15/2011**

TOTAL LENGTH OF STRING	301.43
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	10
CASING SET DEPTH	**309.43**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 5
RECIPROCATED PIPI No

BUMPED PLUG TO 419

CEMENT USED		CEMENT COMPANY- **BJ**
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 4bbls to pit
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle of first, top of second and third for a total of three.		

COMPANY REPRESENTATIVE **Branden Arnold** DATE **3/15/2011**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTAH STATE ML-3453-B
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
GMBU
8. WELL NAME and NUMBER: N-16-9-17
GREATER MONUMENT BUTTE
9. API NUMBER:
4301350489
10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE:
COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 16, T9S, R17E
STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARITLY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLAIR
☒ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of Work Completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/STOP)	☐ WATER SHUT-OFF
04/28/2011	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☒ OTHER: - Weekly Status Report
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 4-28-2011, attached is a daily completion status report.

RECEIVED
MAY 10 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jennifer Peatross TITLE Production Technician

SIGNATURE Jennifer Peatross DATE 05/04/2011

(This space for State use only)

Daily Activity Report

Format For Sundry

GMBU N-16-9-17

2/1/2011 To 6/30/2011

4/13/2011 Day: 1 **Completion**

Rigless on 4/13/2011 - Run CBL & shoot first stg. - Install 5M frac head. NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5975' cement top @ 206'. Perforate BSL/CP5 sds as shown in perforation report. 142 BWTR. SWIFN.
Daily Cost: $0
Cumulative Cost: $16,515

4/18/2011 Day: 2 **Completion**

Rigless on 4/18/2011 - Frac & flowback well. - MIRU The Perforators wlt & crane & BJ Services frac equioment. Open well. Break down & frac stg #1. Perforate & frac stgs #2-4. RD BJ & The Perforators. EWTR 2429 BBLS. Open well to pit @ 6:30 PM @ approx 3 bpm. Flow back well for 6.5 hrs to recover 975 BBLS. EWTR 1454 BBLS. SDFN
Daily Cost: $0
Cumulative Cost: $138,778

4/21/2011 Day: 3 **Completion**

WWS #5 on 4/21/2011 - MIRUSU WWS #5. Pick up tbg. Drill out first plug. - MIRUSU WWS #5. Open well. CSG 240 psi. Open to pit & bleed off. ND Cameron BOP. NU Schaffer BOP. RU work floor. Prep & tally tbg. MU Weatherford 4 3/4" chomp bit, bit sub, & PSN. TIH picking up & drifting tbg. Get in hole w/ 93 jts tbg. Ciculate out oil. Continue picking up tbg. Get in hole w/ 153 jts tbg. Tag first plug @ 4750'. Ru drill equipment. Drill out plug. Circulate well clean. SDFN
Daily Cost: $0
Cumulative Cost: $185,451

4/25/2011 Day: 4 **Completion**

WWS #5 on 4/25/2011 - Continue drill out plugs. Swab well. - Open well. CSG 100 psi. TBG 0 psi. Tag CBP @ 5220'. Drill out plug. Continuepicking up tbg to tag sand @ 5586'. 144' sand. Clean out sand to next plug @ 5730'. Drill out plug. Continue picking up tbg to tag sand 5905'. 89' sand. Clean out sand to PBTD @ 5994'. Circulate well clean. LD 2 jts tbg. RU swab equipment. RIH w/ swab. IFL @ surface. Make 12 swab runs to recover 140 bbls w/ trace of oil & no sand. FFL @ 1600'. RD swab equipment. TIH w/ tbg to tag PBTD @ 5994'. No new sand. LD 4 jts tbg. SDFD
Daily Cost: $0
Cumulative Cost: $191,576

4/26/2011 Day: 5 **Completion**

WWS #5 on 4/26/2011 - Trip tbg for production. - Open well. CSG 400 psi. TBG 75 psi. Circulate well clean. TOOH w/ 188 jts tbg. Get out of hole w/ tbg. LD bit & bit sub. MU btm hole assembly. TIH w/ tbg detail @ follows. NC, 2 jts tbg, PSN, 1 jt, TAC, & 184 jts tbg. Get in

hole w/ tbg. RD workfloor. ND BOP. Set TAC. MU tbg hanger. Land tbg w/ 18000# tension. RDMOSU WWS #5. Prep location for Co-Rod. SDFN EWTR 835 BBLS.
Daily Cost: $0
Cumulative Cost: $197,290

4/28/2011 Day: 6 **Completion**

WWS #5 on 4/28/2011 - Run Co-rod. Seat pump. Stroke test to 800 psi. Good pump action. PWOP @ 8:00 a.m. on 4-27-11. 4.6 spm, 168" stroke length. Final Report. 835 BWTR. - RU Weatherford Co-rod rig. RIH W/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 2.5' stabalizer sub, on/off tool, se4 Co-rod, 1- 8', 6', 2' x 7/8" pony sub, 1 1/2" x 30' polished rod. Seat pump. Stroke test pump to 800 psi. Good pump action. RU pumping unit. Hang off rods. RD Weatherford Co-rod rig. PWOP @ 8:00 a.m. on 4-27-11. 4.6 SPM, 168" stroke length. Final Report. 835 BWTR. **Finalized**
Daily Cost: $0
Cumulative Cost: $238,572

Pertinent Files: Go to File List

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: ML-3453B

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GMBU

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: Greater Monument Butte N-16-9-17

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435) 646-3721

9. AFI Well No.: 43-013-50489

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1996' FSL & 1952' FWL (NE/SW) SEC. 16, T9S, R17E (ML-3453B)

10. Field and Pool or Exploratory: GREATER MB UNIT

11. Sec., T., R., M., on Block and Survey or Area: SEC. 16, T9S, R17E

At top prod. interval reported below: 2556' FNL & 1123' FWL (SW/NW), SEC. 16, T9S, R17E (ML-3453B)

At total depth: 3051 FSL 0784 FWL
2229' FNL & 784' FWL (SW/NW) SEC. 16, T9S, R17E (ML-3453B)

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
03/11/2011	04/03/2011	☐ D & A ☑ Ready to Prod. 04/27/2011	5294' GL 5306' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6059' TVD 5808'	MD 5975' TVD 5730	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	309'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6041'		275 PRIMLITE		206'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5881'	TA @ 5752'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4586'	5830'	4586-5830'	.36"	132	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4586-5830'	Frac w/ 292617#'s 20/40 sand in 1837 bbls of Lightning 17 fluid in 4 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/27/11	5/6/11	24	→	11	6	3			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED
MAY 23 2011
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	4586'	5830'		GARDEN GULCH MRK	3547'
				GARDEN GULCH 1	3758'
				GARDEN GULCH 2	3874'
				POINT 3	4120'
				X MRKR	4398'
				Y MRKR	4433'
				DOUGALS CREEK MRK	4562'
				BI CARBONATE MRK	4808'
				B LIMESTON MRK	4930'
				CASTLE PEAK	5446'
				BASAL CARBONATE	5897'
				WASATCH	6030'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Jennifer Peatross Title Production Technician

Signature Jennifer Peatross Date 05/12/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 16 T9S, R17E
N-16-9-17

Wellbore #1

Design: Actual

Standard Survey Report

07 April, 2011

PAYZONE DIRECTIONAL

NEWFIELD

PayZone Directional Services, LLC.

Survey Report

PAYZONE

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well N-16-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Well:	N-16-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 16 T9S, R17E, SEC 16 T9S, R17E				
Site Position:		**Northing:**	7,183,439.74 ft	**Latitude:**	40° 1' 51.237 N
From:	Lat/Long	**Easting:**	2,056,769.95 ft	**Longitude:**	110° 0' 46.831 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.95 °

Well	N-16-9-17, SHL LAT: 40° 01' 45.06, LONG: -110° 00' 50.59					
Well Position	**+N/-S**	0.0 ft	**Northing:**	7,182,809.95 ft	**Latitude:**	40° 1' 45.060 N
	+E/-W	0.0 ft	**Easting:**	2,056,487.98 ft	**Longitude:**	110° 0' 50.590 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,306.0 ft	**Ground Level:**	5,294.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2010/08/31	11.39	65.81	52,348

Design	Actual					
Audit Notes:						
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0	
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**		
	0.0	0.0	0.0	311.70		

Survey Program	**Date** 2011/04/07			
From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
325.0	6,059.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
325.0	0.62	93.35	325.0	-0.1	1.8	-1.4	0.19	0.19	0.00
355.0	0.60	89.80	355.0	-0.1	2.1	-1.6	0.14	-0.07	-11.83
386.0	0.50	94.50	386.0	-0.1	2.4	-1.9	0.35	-0.32	15.16
416.0	0.30	64.40	416.0	-0.1	2.6	-2.0	0.95	-0.67	-100.33
447.0	0.30	9.40	447.0	0.0	2.7	-2.0	0.89	0.00	-177.42
477.0	0.40	359.00	477.0	0.2	2.7	-1.9	0.39	0.33	-34.67
508.0	0.70	336.00	508.0	0.5	2.6	-1.6	1.18	0.97	-74.19
539.0	1.00	324.50	539.0	0.9	2.4	-1.2	1.11	0.97	-37.10
569.0	1.40	327.80	569.0	1.4	2.0	-0.6	1.35	1.33	11.00
599.0	1.70	318.60	599.0	2.0	1.5	0.2	1.30	1.00	-30.67
630.0	2.00	315.20	630.0	2.8	0.8	1.2	1.03	0.97	-10.97
661.0	2.60	310.00	660.9	3.6	-0.1	2.5	2.05	1.94	-16.77

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well N-16-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Well:	N-16-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
691.0	3.20	305.00	690.9	4.5	-1.3	4.0	2.17	2.00	-16.67
722.0	3.80	305.20	721.8	5.6	-2.8	5.9	1.94	1.94	0.65
752.0	4.20	309.10	751.8	6.9	-4.5	7.9	1.61	1.33	13.00
783.0	4.70	307.80	782.7	8.4	-6.4	10.3	1.65	1.61	-4.19
813.0	5.20	307.50	812.6	10.0	-8.4	12.9	1.67	1.67	-1.00
857.0	5.90	308.50	856.3	12.6	-11.8	17.2	1.61	1.59	2.27
901.0	6.50	312.40	900.1	15.7	-15.4	21.9	1.67	1.36	8.86
945.0	7.00	316.50	943.8	19.3	-19.1	27.1	1.58	1.14	9.32
989.0	7.90	316.50	987.4	23.4	-23.0	32.8	2.05	2.05	0.00
1,033.0	8.40	315.60	1,031.0	27.9	-27.3	39.0	1.17	1.14	-2.05
1,077.0	9.10	315.40	1,074.5	32.7	-32.0	45.7	1.59	1.59	-0.45
1,121.0	9.60	314.10	1,117.9	37.7	-37.1	52.8	1.23	1.14	-2.95
1,165.0	10.20	313.60	1,161.2	43.0	-42.6	60.4	1.38	1.36	-1.14
1,209.0	10.90	313.50	1,204.5	48.5	-48.4	68.4	1.59	1.59	-0.23
1,253.0	11.50	312.30	1,247.6	54.3	-54.7	77.0	1.46	1.36	-2.73
1,298.0	12.10	311.00	1,291.7	60.4	-61.5	86.2	1.46	1.33	-2.89
1,342.0	12.80	310.50	1,334.6	66.6	-68.7	95.6	1.61	1.59	-1.14
1,386.0	13.10	309.70	1,377.5	73.0	-76.3	105.5	0.79	0.68	-1.82
1,430.0	13.40	308.50	1,420.4	79.3	-84.1	115.6	0.92	0.68	-2.73
1,474.0	13.90	309.50	1,463.1	85.9	-92.2	125.9	1.26	1.14	2.27
1,518.0	14.20	309.90	1,505.8	92.7	-100.4	136.6	0.72	0.68	0.91
1,562.0	14.50	309.80	1,548.4	99.7	-108.8	147.5	0.68	0.68	-0.23
1,606.0	14.60	307.90	1,591.0	106.6	-117.4	158.6	1.11	0.23	-4.32
1,649.0	14.80	305.80	1,632.6	113.2	-126.1	169.4	1.32	0.47	-4.88
1,693.0	15.10	307.20	1,675.1	119.9	-135.2	180.7	1.07	0.68	3.18
1,737.0	15.80	308.20	1,717.5	127.1	-144.5	192.4	1.70	1.59	2.27
1,781.0	16.70	309.00	1,759.8	134.8	-154.1	204.7	2.11	2.05	1.82
1,825.0	17.30	309.80	1,801.8	142.9	-164.1	217.6	1.46	1.36	1.82
1,869.0	17.80	308.90	1,843.8	151.3	-174.3	230.8	1.29	1.14	-2.05
1,913.0	18.40	310.00	1,885.6	160.0	-184.9	244.5	1.57	1.36	2.50
1,957.0	18.70	311.10	1,927.3	169.1	-195.5	258.5	1.05	0.68	2.50
2,001.0	18.90	309.90	1,969.0	178.3	-206.3	272.7	0.99	0.45	-2.73
2,046.0	19.20	311.10	2,011.5	187.9	-217.5	287.3	1.10	0.67	2.67
2,090.0	19.60	311.40	2,053.0	197.5	-228.4	302.0	0.94	0.91	0.68
2,134.0	19.70	311.30	2,094.5	207.3	-239.5	316.8	0.24	0.23	-0.23
2,178.0	19.70	311.80	2,135.9	217.1	-250.6	331.6	0.38	0.00	1.14
2,222.0	19.70	310.90	2,177.3	226.9	-261.8	346.4	0.69	0.00	-2.05
2,266.0	19.50	311.60	2,218.8	236.7	-272.9	361.2	0.70	-0.45	1.59
2,310.0	19.20	312.20	2,260.3	246.4	-283.7	375.8	0.82	-0.68	1.36
2,354.0	18.90	310.80	2,301.9	255.9	-294.5	390.1	1.24	-0.68	-3.18
2,398.0	18.10	309.70	2,343.6	264.9	-305.1	404.1	1.98	-1.82	-2.50
2,442.0	17.90	311.01	2,385.4	273.7	-315.5	417.7	1.03	-0.45	2.98
2,486.0	17.50	310.30	2,427.4	282.4	-325.6	431.0	1.03	-0.91	-1.61
2,530.0	18.40	312.60	2,469.2	291.4	-335.8	444.6	2.60	2.05	5.23
2,573.0	19.40	315.00	2,509.9	301.1	-345.9	458.5	2.95	2.33	5.58
2,617.0	20.40	315.50	2,551.3	311.7	-356.4	473.5	2.31	2.27	1.14
2,661.0	20.50	314.90	2,592.5	322.6	-367.2	488.8	0.53	0.23	-1.36
2,705.0	21.20	317.80	2,633.6	334.0	-378.0	504.4	2.83	1.59	6.59
2,750.0	20.70	317.60	2,675.6	345.9	-388.9	520.4	1.12	-1.11	-0.44
2,794.0	21.00	316.00	2,716.8	357.3	-399.6	536.0	1.46	0.68	-3.64
2,838.0	21.70	315.30	2,757.7	368.7	-410.8	552.0	1.69	1.59	-1.59
2,882.0	21.40	314.50	2,798.7	380.1	-422.2	568.1	0.95	-0.68	-1.82
2,926.0	20.60	312.70	2,839.7	391.0	-433.6	583.9	2.34	-1.82	-4.09
2,969.0	20.50	311.40	2,880.0	401.1	-444.8	599.0	1.09	-0.23	-3.02

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well N-16-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Well:	N-16-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,013.0	21.00	311.10	2,921.1	411.4	-456.6	614.6	1.16	1.14	-0.68
3,057.0	21.50	311.90	2,962.2	422.0	-468.5	630.5	1.31	1.14	1.82
3,101.0	21.80	310.80	3,003.1	432.7	-480.7	646.7	1.15	0.68	-2.50
3,145.0	21.70	308.70	3,043.9	443.1	-493.2	663.0	1.78	-0.23	-4.77
3,189.0	21.40	309.60	3,084.8	453.3	-505.8	679.2	1.01	-0.68	2.05
3,233.0	21.70	309.30	3,125.8	463.6	-518.2	695.3	0.73	0.68	-0.68
3,277.0	21.80	308.10	3,166.6	473.8	-531.0	711.6	1.04	0.23	-2.73
3,321.0	21.60	308.50	3,207.5	483.9	-543.7	727.8	0.57	-0.45	0.91
3,365.0	21.00	310.60	3,248.5	494.0	-556.1	743.8	2.21	-1.36	4.77
3,409.0	20.70	310.20	3,289.6	504.2	-568.0	759.5	0.75	-0.68	-0.91
3,453.0	20.40	310.70	3,330.8	514.2	-579.7	774.9	0.79	-0.68	1.14
3,497.0	20.00	309.00	3,372.1	523.9	-591.4	790.1	1.61	-0.91	-3.86
3,542.0	18.60	310.00	3,414.6	533.4	-602.9	805.0	3.20	-3.11	2.22
3,586.0	17.40	308.70	3,456.4	542.0	-613.4	818.5	2.88	-2.73	-2.95
3,630.0	17.10	307.30	3,498.5	550.0	-623.7	831.6	1.16	-0.68	-3.18
3,674.0	17.10	305.60	3,540.5	557.7	-634.1	844.4	1.14	0.00	-3.86
3,718.0	16.80	306.20	3,582.6	565.3	-644.5	857.2	0.79	-0.68	1.36
3,762.0	17.00	307.50	3,624.7	572.9	-654.7	869.9	0.97	0.45	2.95
3,806.0	17.10	309.20	3,666.8	580.9	-664.8	882.8	1.16	0.23	3.86
3,850.0	17.10	310.30	3,708.8	589.2	-674.8	895.8	0.74	0.00	2.50
3,894.0	17.10	311.20	3,750.9	597.6	-684.6	908.7	0.60	0.00	2.05
3,938.0	17.00	311.70	3,793.0	606.2	-694.2	921.6	0.40	-0.23	1.14
3,982.0	17.10	312.20	3,835.0	614.8	-703.8	934.5	0.40	0.23	1.14
4,026.0	16.90	311.40	3,877.1	623.4	-713.4	947.4	0.70	-0.45	-1.82
4,070.0	16.90	311.00	3,919.2	631.8	-723.0	960.1	0.26	0.00	-0.91
4,114.0	16.90	310.50	3,961.3	640.2	-732.7	972.9	0.33	0.00	-1.14
4,158.0	16.70	310.30	4,003.4	648.4	-742.4	985.7	0.47	-0.45	-0.45
4,202.0	16.40	311.20	4,045.6	656.6	-751.9	998.2	0.90	-0.68	2.05
4,246.0	15.80	313.00	4,087.9	664.8	-761.0	1,010.4	1.77	-1.36	4.09
4,290.0	15.20	313.70	4,130.3	672.8	-769.5	1,022.1	1.43	-1.36	1.59
4,334.0	15.30	312.40	4,172.7	680.7	-778.0	1,033.7	0.81	0.23	-2.95
4,378.0	15.30	311.60	4,215.2	688.5	-786.6	1,045.3	0.48	0.00	-1.82
4,422.0	15.20	312.60	4,257.6	696.3	-795.2	1,056.9	0.64	-0.23	2.27
4,466.0	15.20	313.40	4,300.1	704.1	-803.6	1,068.4	0.48	0.00	1.82
4,510.0	14.80	314.00	4,342.6	712.0	-811.9	1,079.8	0.98	-0.91	1.36
4,554.0	15.30	314.40	4,385.1	720.0	-820.0	1,091.2	1.16	1.14	0.91
4,598.0	15.80	312.70	4,427.5	728.1	-828.6	1,103.0	1.54	1.14	-3.86
4,642.0	15.90	312.60	4,469.8	736.2	-837.4	1,115.0	0.24	0.23	-0.23
4,686.0	16.30	313.70	4,512.1	744.6	-846.3	1,127.2	1.14	0.91	2.50
4,728.9	16.79	313.70	4,553.2	753.0	-855.2	1,139.4	1.14	1.14	0.00
N-16-9-17 TGT									
4,730.0	16.80	313.70	4,554.2	753.2	-855.4	1,139.7	1.14	1.14	0.00
4,774.0	17.20	314.20	4,596.3	762.2	-864.7	1,152.6	0.97	0.91	1.14
4,818.0	16.90	311.60	4,638.4	770.9	-874.1	1,165.5	1.86	-0.68	-5.91
4,862.0	16.90	311.20	4,680.5	779.4	-883.7	1,178.3	0.26	0.00	-0.91
4,906.0	16.70	308.80	4,722.6	787.6	-893.4	1,191.0	1.64	-0.45	-5.45
4,950.0	16.70	307.10	4,764.7	795.3	-903.4	1,203.6	1.11	0.00	-3.86
4,994.0	16.50	306.50	4,806.9	802.9	-913.5	1,216.1	0.60	-0.45	-1.36
5,038.0	16.70	307.00	4,849.1	810.4	-923.5	1,228.7	0.56	0.45	1.14
5,082.0	17.20	305.50	4,891.2	818.0	-933.9	1,241.4	1.51	1.14	-3.41
5,126.0	16.90	306.00	4,933.2	825.5	-944.4	1,254.3	0.76	-0.68	1.14
5,170.0	16.70	305.80	4,975.4	833.0	-954.7	1,266.9	0.47	-0.45	-0.45
5,214.0	16.70	306.20	5,017.5	840.4	-964.9	1,279.5	0.26	0.00	0.91
5,258.0	16.30	308.80	5,059.7	848.0	-974.8	1,291.9	1.91	-0.91	5.91

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well N-16-9-17
Project:	USGS Myton SW (UT)	**TVD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Site:	SECTION 16 T9S, R17E	**MD Reference:**	N-16-9-17 @ 5306.0ft (NEWFIELD)
Well:	N-16-9-17	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,302.0	16.90	309.10	5,101.8	855.9	-984.6	1,304.5	1.38	1.36	0.68
5,346.0	18.40	311.10	5,143.8	864.5	-994.8	1,317.8	3.68	3.41	4.55
5,390.0	19.40	315.70	5,185.4	874.3	-1,005.1	1,332.1	4.08	2.27	10.45
5,434.0	19.10	319.90	5,226.9	885.0	-1,014.9	1,346.5	3.22	-0.68	9.55
5,478.0	19.20	319.71	5,268.5	896.1	-1,024.2	1,360.8	0.27	0.23	-0.43
5,522.0	20.30	319.90	5,309.9	907.4	-1,033.8	1,375.5	2.50	2.50	0.43
5,566.0	21.40	318.70	5,351.0	919.3	-1,044.0	1,391.0	2.68	2.50	-2.73
5,610.0	21.50	317.90	5,392.0	931.3	-1,054.7	1,407.0	0.70	0.23	-1.82
5,654.0	22.10	317.90	5,432.8	943.4	-1,065.6	1,423.2	1.36	1.36	0.00
5,698.0	22.70	316.70	5,473.5	955.8	-1,077.0	1,439.9	1.71	1.36	-2.73
5,742.0	22.50	316.40	5,514.1	968.0	-1,088.6	1,456.8	0.52	-0.45	-0.68
5,786.0	23.00	318.00	5,554.7	980.5	-1,100.2	1,473.7	1.81	1.14	3.64
5,830.0	23.30	318.20	5,595.2	993.4	-1,111.8	1,490.9	0.70	0.68	0.45
5,874.0	22.70	316.90	5,635.7	1,006.1	-1,123.4	1,508.0	1.79	-1.36	-2.95
5,918.0	21.80	318.30	5,676.4	1,018.4	-1,134.6	1,524.6	2.37	-2.05	3.18
5,962.0	20.80	316.60	5,717.4	1,030.2	-1,145.4	1,540.5	2.67	-2.27	-3.86
6,007.0	20.70	317.90	5,759.5	1,041.9	-1,156.2	1,556.3	1.05	-0.22	2.89
6,059.0	20.00	318.30	5,808.2	1,055.3	-1,168.3	1,574.3	1.37	-1.35	0.77

Wellbore Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
N-16-9-17 TGT	0.00	0.00	4,550.0	765.0	-858.7	7,183,560.63	2,055,616.72	40° 1' 52.621 N	110° 1' 1.630 W
- actual wellpath misses by 12.9ft at 4729.0ft MD (4553.3 TVD, 753.0 N, -855.2 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD

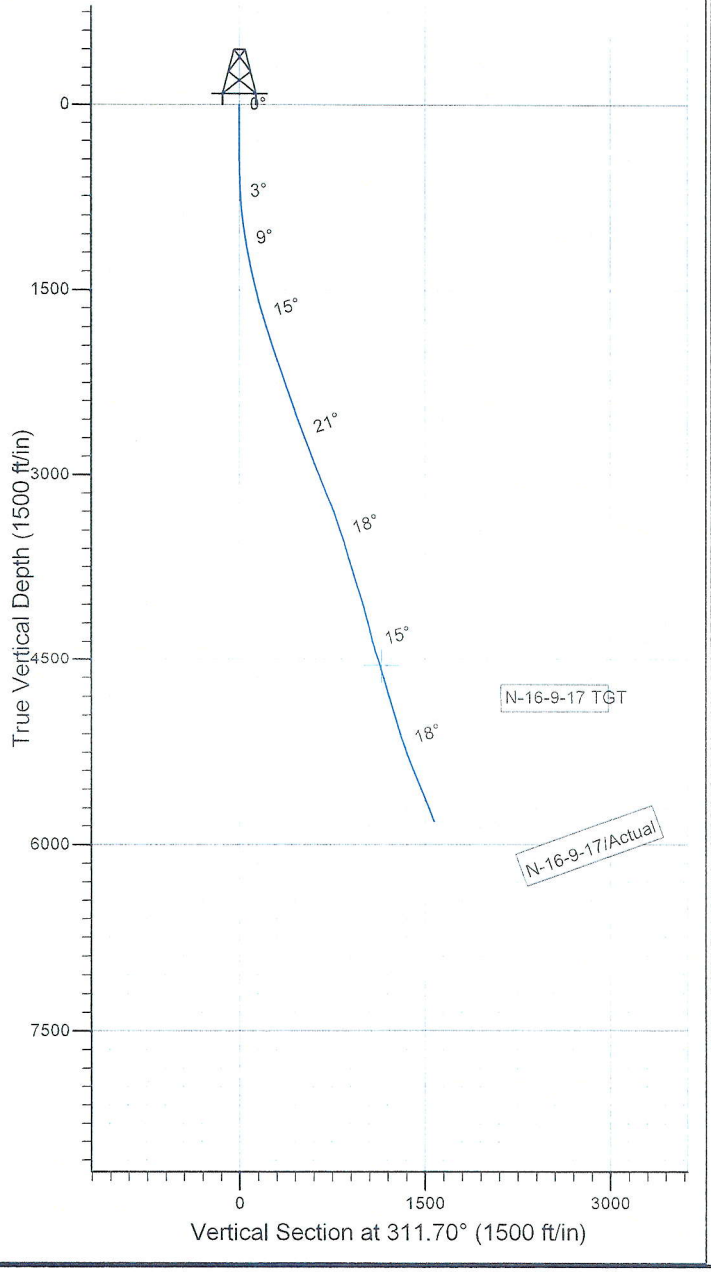
Project: USGS Myton SW (UT)
Site: SECTION 16 T9S, R17E
Well: N-16-9-17
Wellbore: Wellbore #1
SURVEY: Actual

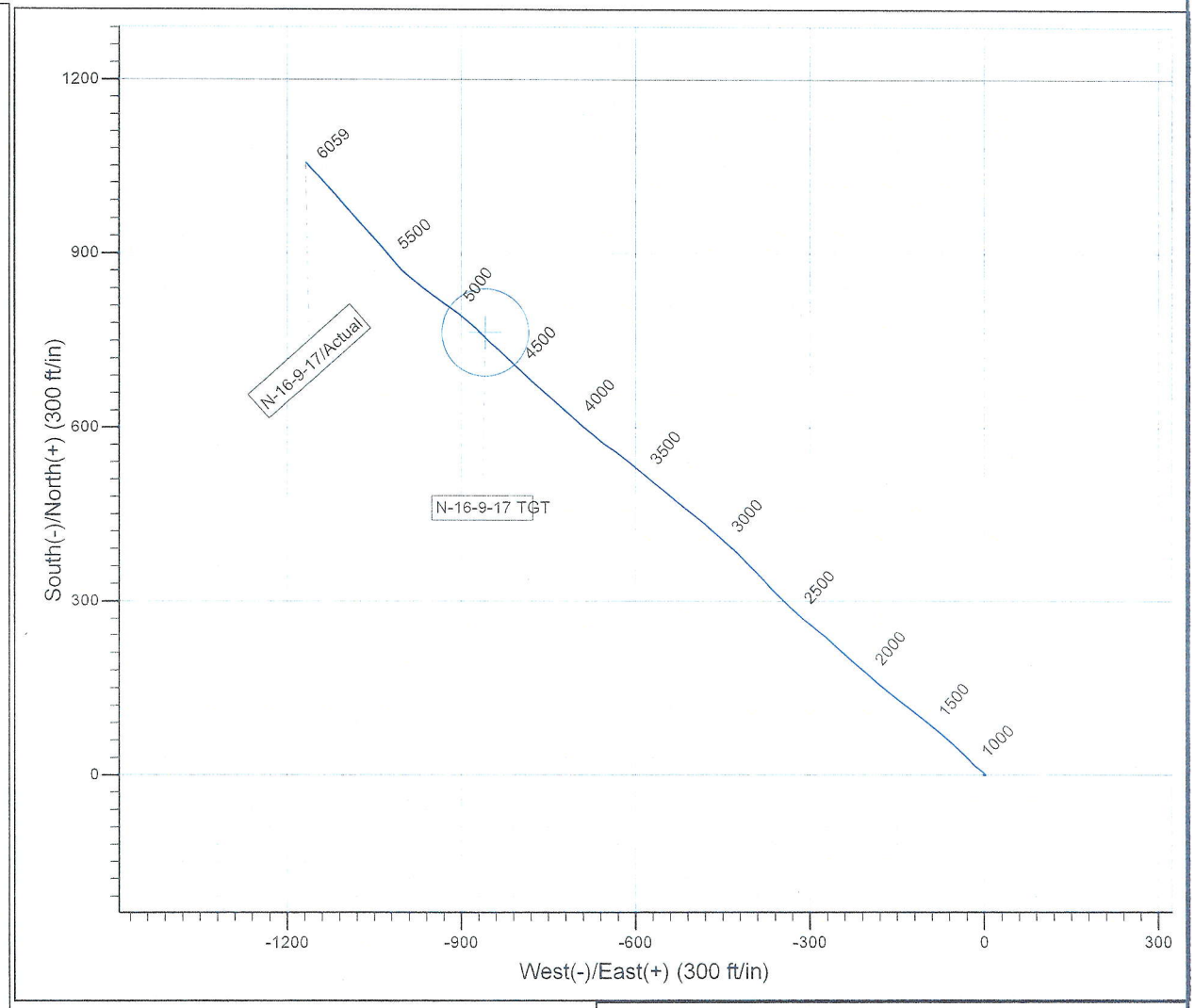
FINAL SURVEY REPORT

T M

Azimuths to True North
Magnetic North: 11.39°

Magnetic Field
Strength: 52348.4snT
Dip Angle: 65.81°
Date: 2010/08/31
Model: IGRF2010





PAYZONE DIRECTIONAL

Design: Actual (N-16-9-17/Wellbore #1)

Created By: Jim hudson Date: 16:33, April 07 2011

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

GMBU N-16-9-17

1/1/2011 To 5/30/2011

GMBU N-16-9-17 **Waiting on Cement**
Date: 3/11/2011
NDSI #1 at 310. Days Since Spud - @ 309.43'KB. On 3/15/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 4bbls to pit, bump plug to 419psi, BLM and State were notified of spud via email. - On 3/11/11 Ross #29 spud and drilled 310 of 12 1/4" hole, P/U and run 7 jts of 8 5/8" casing set
Daily Cost: $0
Cumulative Cost: $53,240

GMBU N-16-9-17 **Rigging Up**
Date: 3/31/2011
NDSI #1 at 310. 0 Days Since Spud - Could not finish rig up do to wind and to dark- clean rig and change oils - MIRU set equipment
Daily Cost: $0
Cumulative Cost: $61,188

GMBU N-16-9-17 **Drill 7 7/8" hole with fresh water**
Date: 4/1/2011
NDSI #1 at 2365. 1 Days Since Spud - Pick Up BHA as Follows, Smith MI616 PDC Bit, Hunting 7/8mil, 4.8stg, 6 1/2" 1.5° Mud Motor, X-Over, - Rig Up - Rig up B&C Quick Test and Test Pipe and Blind Rams, Choke, Upper Kely, Floor Valve to 2,000PSI - Finish Rigging Up - F/10min. Then Tested 8 5/8" Casing to 1,500PSI F/30min all tested good - Monel, Gap Sub, Index Sub, X-Over, Pony Sub, 26 HWDP - Drill 7 7/8" hole F/ 245' to 2365' W/ 20,000WOB, 151RPM, 400GPM, 121fph ROP - (Revised Daily 1)
Daily Cost: $0
Cumulative Cost: $105,049

GMBU N-16-9-17 **Drill 7 7/8" hole with fresh water**
Date: 4/2/2011
NDSI #1 at 5092. 2 Days Since Spud - Drill 7 7/8" hole F/ 3729' to 5092' W/ 20,000WOB, 151RPM, 400GPM, 116fph ROP - Rig Service - Drill 7 7/8" hole F/ 2365' to 3729' W/ 20,000WOB, 151RPM, 400GPM, 119fph ROP
Daily Cost: $0
Cumulative Cost: $124,613

GMBU N-16-9-17 **Logging**
Date: 4/3/2011
NDSI #1 at 6059. 3 Days Since Spud - Rig up PSI and Run Wireline Logs F/ TD (Loggers TD 6058') To Surface - Laydown Directional Tools (Break all BHA F/ Inspection) - Laydown Drill Pipe and BHA - Pump Sweep and CirculateF/ Logs - Drill 7 7/8" hole F/ 5577' to 6059' W/ 20,000WOB, 151RPM, 400GPM, 116fph ROP - Rig Service - Drill 7 7/8" hole F/ 5092' to 5577' W/ 20,000WOB, 151RPM, 400GPM, 116fph ROP - Held BOP Drill Men @ Station 1min.
Daily Cost: $0
Cumulative Cost: $197,100

GMBU N-16-9-17 **Wait on Completion**
Date: 4/4/2011
NDSI #1 at 6059. 4 Days Since Spud - Clean Mud Tanks - +FP-6L Mixed @ 14.4ppg W/ 1.24yield Returned 39bbls to Pit. - 11ppg W/3.53yield. Pumped 400sks 50:50:2+3%KCL+.5% EC-1+.25#CF+.05#SF+.3SMS - Rig up BJ and Pump 275sks PL11+3% KCL+5#CSE+.5#CF+5#KOL+.5SMS+FP+SF Mixed @ - Circulate Casing W/ Rig Pump, Rig up BJ Services - Rig up and Run 143jts 5 1/2" J-55 LTC Casing Set @ 6042.70'KB - Rig up B&C Quick Test and Test 5 1/2" Casing Rams to 2,000PSI F/ 10min. Tested Good - Release Rig @ 10:00PM 4/3/11 Ryan Crum **Finalized**
Daily Cost: $0
Cumulative Cost: $304,645

Pertinent Files: Go to File List